## FOR IN VITRO RESEARCH USE ONLY. NOT FOR USE IN HUMANS OR ANIMALS.

## Recombinant human EFNA1 protein



Sing CMERSAMPORENCE Solg CMERSAMPORENCE (S-105 as encoded by BC032698)   Solg Sold Sold   Available topphilized Species: Numan Sold   Biological Activity: Norased Exclositivity: Norased Sold   Reconstitution and Storage Reconstitution Reconstitution with serile water for shortsem aregul volume of gyzend for long-term storage (cees Stability aregul volume of gyzend for long-term storage (cee Stability aregul volume aregul volume storage for more storage of the volume used). Sipping: The product is shipped at ambient term product (stability and storage for more and storage for more storage (cee Stability aregul volume of gyzend for long-term storage (cee Stability aregul volume aregul volume as required (phoses note the long-term storage). The purified protein two supphilized form storage for the volume and storage for the volume and storage for Reconstituted Protein Storage of the volume and storage for the long are 32% for prot 12 months at -20°C to -80°C as lyophilized powder. Storage of term are 32% for prot 20 to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of gyzend. Avoid negat freaze-thaw cycles.	Basic Information	Catalog Number:	
Strike   (\$6-10\$ as encoded by BC03269\$)     Form   Available (upphilized     Species:   Numan     Reconstitution   Cold. derived, PCEVAT, with N-terminal CST.     Reconstitution   Cold. derived, PCEVAT, with N-terminal CST.     Reconstitution   Reconstitute allo for more information     Reconstitution   Reconstitute 32 gg/ul in 200 µl sterile water for short-term storage.     Reconstitution   Reconstitute 32 gg/ul in 200 µl sterile water for short-term storage.     Subsequent experiments, it is recommended to ad an equal volume of glycerol for long-term storage (see Sability and Storage for more details).   The reconstitute and storage for more details.     Purity   Bysk by SDS-PAGE with Coomassie brillant Blue staining.   The purified protein was lyophilized form sterile PBS (SBm Na2HPOA, 17mM NaH2POA, 6Bm NaCL, pBA, 5)     Stability and Storage   Storage of more 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Storage CSC Cool Coord Cool Science and storage (see Sability and Storage Coord and see and S to mannitol are added as protectant before lyophilization. The elution buffer contain 100 model     Storage of Reconstituted Protein   Storage Coord Cool Coord		Ag25837	
Form:   Available typophilized     Species:   Numan     Expression:   cod: derived, PCEKAT, with H-terminal CST.     Biological Activity:   Numan     Constitution   Expression:     Cod: derived, PCEKAT, with H-terminal CST.   Biological Activity:     Name   Expression:     Cod: derived, PCEKAT, with H-terminal CST.   Biological Activity:     Name   Expression:     Constitution   Reconstitute at 0.25 gr/gl in 200 pil sterile water for shore-terming.     After reconstitution with sterile water, if glyceroh has no effection is another the mole sterile water, if glyceroh has no effection is shored for the file soutcomine, it is a commended to adding the constitution with sterile water, if glyceroh has no effection is needed for the file soutcomine, it is a commended to adding the constitution with sterile water, if glyceroh has no effection is needed for the file soutcomine, it is a commended to adding the constitution with sterile water, if glyceroh has no effection is needed for the file soutcomine, it is a commended to adding the constitution with sterile water is diver provide the provent file reconstitution with sterile water is diver prove proves proves prove proves glyceroh mass is diver prove proves glyceroh mass diver prove proves prove proves glyceroh mass diver prove proves proves prove proves glyceroh mass diver prove proves glyceroh adding the constain 100 mode     Purity   Syster for up to 12 months at -20°C to -80°C as typphilized powder.     Store rage off   Stor			
Available typphilized     Specie:     Wmma     Expression Source:     a call-derived, PCEX-AT, with N-terminal CST.     Bioglical Activity:     Wate sted     Bioglical Activity:     Not tested     Bioglical Activity:     Reconstitution     Reconstitution of the for more information     Bioglical Activity:     Reconstitution of the for shoredres     After reconstitution with sterile water, if glycerol has no effect     on subsequent experiments strate (see Sability     and Storage     And Efference Constitution of the final solution will vay according to the protein into solution.     Provide stability and Storage     Point (general concentration in the solution will vay according to the protein into solution.     Point (general concentration of the final solution will vay according to the origin was theored to easily and philoses note full recovery of the protein into solution.     Point (general concentration and the solution will vay according to the origin value for one solution.     Store for up to 12 months at -20°C to -80°C as typphilized powder.     Storage of Reconstituted Protein     Storage of Reconstituted Protein     Storage of Reconstituted Protein     Storage of Reconstituted Protein			
Species:   Mumai     Example:   exdi:deived, PGEX-IT, with N-terminal CST.     Bidgical Activity:   Natested     Deconstitution   Reconstitution     Reconstitution   Reconstitution at CSD grg/ul in 200 µ sterile water for short-term:     Reconstitution   Reconstitution (Support Intervention)     Reconstitution   Reconstitution volume at glycerol for long-term storage (see Stability and Storage)   March and Storage     Purity   Rese contact the long for more information   Stability and Storage   Storage of the protein into solution.     Purity   Reconstitution volume at glycerol for long-term storage (see Stability and Storage)   March and Storage for more details).   If a different concentration is needed for your purpose please and show and work sides of the value to ensure full no concentration of the final solution will vary according to the volume used).   Note: Cernifige vial before opening. When reconstituting greater is concented to add as protectant before lyophilization. The elution buffer contain 100mM of the rote storage of the protein into solution.     Storage of Scorage of Scorag			
Numa   Expression source:   exid-derived, PGEX-47, with N-terminal GST.     Biological Activity:   Material     Notation of the stated   Endotation Activity:     Reconstitution   Reconstitution 200 µl sterile water for short-term storage.     After reconstitution with sterile water, if glycenol has no effect on subsequent torgoriments, it is reconstitution value are equively logical mode data.   Sipping:     The product is shipped at ambient temp   equal volume of glycenol for long-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water for short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water for short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water for short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water for short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water for short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water for short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water for short-term storage (see Stability and Storage for more details).   Figure 1000 µl sterile water short-term storage (see Stability and Storage for more short-term storage short and tof the final solution with sterile water and ad			
Expression Source:   e. colderived, PGR-4.1, with N-terminal GST.     Biological Activity:   Material     Biological Activity:   Material     Reconstitution   Reconstitution out-information     Biological Activity:   Material     Reconstitution   Reconstitute at 0.25 Jg/J lin 200 µl stelle water for short-term:     Robins Activity:   Material     Reconstitution out-information   Reconstitution with stelle water, if glycerol has no affect     Robins Activity:   Reconstitution with stelle water, if glycerol has no affect     robins Activity:   Reconstitution with stelle water dof bry our purposes places     adjust the reconstitution volume as required [places note: the incommended to adjuine used].   Referencessitution volume as required [places note: the incommended to adjuine used].     Purity   85% by DSD-PAGE with Coomassite Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (SBm Na2HPO4, 17mM NaH2PO4, 68mM NaCL, pH8), 5 'reforue to 12 months at -20°C to -80°C as Lyophilized powder.     Store for up to 12 months at -20°C to -80°C as Lyophilized powder.   Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Store for up to 12 months at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycered. Avoid repeat freez-thaw cycles.     Store are 26			
e cali-derived, PGEX-AT, with N-terminal GST. Biological Activity: Not tested Endotoxin Level: Please contact the lab for more information Reconstitution After reconstitution with stelle water for short-term, and Storage After reconstitution with stelle water, if giveroit has no effect. After reconstitution of to long-term storage (see Stability and Storage for more details). Purity Boxic Centrifuge via before opening. When reconstituting, genty lipet and wash down the sides of the vial to ensure full recovery of the protein into solution. Boxic Centrifuge via before opening. When reconstituting. Boxic Centrifuge via before opening. When reconstitution under eaded as protectant before lyophilization. The elution buffer contain 100mM C Stability and Storage Store for up to 12 months at -20°C to -80°C as lyophilized powder. Store at 28°C for (1-2 weeks). Engo Tem Storage: Aliguet and stora at -20°C to -80°C for up to 3 months. reconstitution with stelle were and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles. Store at 28°C for (1-2 weeks). Engo Tem Storage via before and addition of an equal vo			
Bidgidal Activity:   Not tested     Constitution   Reconstitution     Constitution   Reconstitution     Constitution   Reconstitution     After reconstitution with sterile water, if glycerol has no effect on subsequence periments, it is recommended to a dat an equal volume of glycerol for fore, term storage (see Sublit) and Storage for more details).   Import of the protein into solution with vare a required please note: the ion concentration of the final solution will vary according to the volume used.   Import of the protein into solution.     Purity   R5%, by SDS-PACE with Coomassie Brilliant Blue staining.   Import of the protein into solution.     Purity   R5%, by SDS-PACE with Coomassie Brilliant Blue staining.   Import testing to the solution will vary according to the volume used and sol dat an econocative before lyophilization. The elution buffer contain 100mMCC     Storage of Reconstituted Protein   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Store for up to 3 months, terosontitute and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Storage of Reconstituted Protein   Store for up to 3 months, terosontitute and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Store for up to 12 months at -20°C to -80°C for up to 3 months, reconstitute and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Store for up to 2 months, teresontis maddition of			
Not tested   Endotion Level:     Reconstitution   Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-terms torage.   Shipped at ambient temper torage.     After reconstitution with sterile water, if glycerol has no effect on subsequence experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).   If a fifterent concentration is meeded for your purposes please adjust the reconstitution will vary according to the value used).   Shipped at ambient temper storage (see Stability and Storage for more details).   If a fifterent concentration is meeded for your purposes please adjust the reconstitution on used and and wash down the sides of the vial to ensure full recovery of the protein into solution.   Shipped at ambient temper storage (see Stability and wash down the sides of the vial to ensure full recovery of the protein into solution.   Shipped at ambient temper storage (see Stability and wash down the sides of the vial to ensure full recovery of the protein into solution.   Shipped at ambient temper storage (see Stability and wash down the sides of the vial to ensure full recovery of the protein into solution.   The purified protein was Lyophilized from sterile PBS (SBM Na2HPO4, 17mM NaH2PO4, 68mM NaCL pHB), 5 trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100 mMO     Stability and Storage   Store for up to 12 months at -20°C to -80°C as lyophilized powder.   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstitution with steril evaluer and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.   Store for			
Person Stitution   Person Stitution     Reconstitution   Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-tern.     Nerre reconstitution with sterile water, if giveerol has no effect.   Storage for more dealis).     After reconstitution with sterile water, if giveerol has no effect.   Storage for more dealis).     If a different concentration is needed for you purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the you me used).   The purpose please adjust the reconstitution with aserie teast of the volat to ensure full recovery of the protein imo solution.     Purity   B5% by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (SBm MazHPOA, 17mM NaH2POA, 68m MACL, pH8), 51 trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100m MC     Storage of Reconstituted Protein   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Store are 2.5°C for (-52 weeks).     Ang to and store at -20°C to -80°C core to a synoth, for equal volume of glycerol for top to 3 months, reconstitution of an equal volume of glycerol. Avoid repeat ran addition of an equal volume of glycerol. Avoid repeat ran addition of an equal volume of glycerol. Avoid repeat ran addition of an equal volume of glycerol. Avoid repeat ran addition of an equal volume of glycerol. Avoid repeat ran addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles. <		<b>o</b>	
Please contact the lab for more information     Reconstitution and Storage   Persentitute at 25 gb/l in 200 µl sterile water for short-term storage.   Shipping     After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).   The different concentration with sterile water, if glycerol has no effect in concentration of the final solution will vary according to the volume used).   The subsequent experiments, if is reconstitution will vary according to the volume used).   The subsequent experiments is subsequent experiments is subsequent experiments.   The subsequent experiments is subsequent experiments are used.   The subsequent experiments is subsequent experiments is subsequent experiments.   The subsequent experiments is is reconstitution will vary according to the volume used).   The subsequent experiments is is proper experiments.   The subsequent experiments is is reconstitution will vary according to the volume exercit.     Purity   B5% by SDS-PAGE with Coomassie Brilliant Blue staining.   The purified protein was Lyophilized from sterile PBS (SBmM Na2HPO4, 17mM NaH2PO4, 6Bm MACL, pHB), 5 trehalose and 5% mannitol are added as protectant before lyophilized nowder.     Storage of Reconstituted Protein   Store for up to 1 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Storage of seconstituted water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Storage of Reconstituted Validation Data			
and Storage   Necconstitute at 0.25 µg/µ in 200 µt serile water for shorterm storage.   The product is shipped at ambient temp storage.     After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).   The roduct is shipped at ambient temp upon receipt, store it immediately at the reconstitution with sterile water, if glycerol has no effect on subsequent experiments in sneeded for your purposes please adjust the reconstitution or line as required (please note: the ion concentration of the final solution will vary according to the volume used).   Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein imo solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (SBm Na2HPO4, 17m NaH2PO4, 68m MaCL, pHB), 5 trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 100m MC     Stability and Storage   Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Storage of Reconstituted Protein   Store at 2-8°C for (1-2 weeks). Long Term Storage:     Aligo term Storage:   Aligo term Storage:     Aligo term Storage:   Aligo term Storage:     Store at 2-8°C for (1-2 weeks). Long Term Storage:   Aligo term Storage:     Aligo term Storage:   Aligo term Storage:			
and Storage   Net constitute at 0.25 gp/µ in 200 µ sterile water for shorterm storage.   The product is shipped at ambient temp storage.     After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details). If a different concentration of the final solution will vary according to the volume used).   The reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).   Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein imo solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (sBm Na2HPO4, 17m NaH2PO4, 68m MaCL, pHB), 5 trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 100m MC     Stability and Storage   Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Storage of Reconstituted Protein   Storage: Store at 2-8°C for (1-2 weeks). Long Term Storage: Store at 2-8°C for (1-2 weeks). Long Term Storage: Aliguet and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Store for up to 12 months serie water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.	Deconstitution	Reconstitution:	Shipping
After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently uppet and wash down the sides of the vial to ensure full recovery of the protein into solution. B5%, by SDS-PAGE with Coomassie Brilliant Blue staining. The purified protein was Lyophilized from sterile PBS (SBmM Na2HPO4, 17mM NaH2PO4, 68mM NaCL, pHB), 51 trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM of Stability and Storage Store age of Reconstituted Protein Store for up to 12 months at -20°C to -80°C as lyophilized powder. Store at 2.8°C for (1-2 weeks). Long Term Storage: Aliquot and store at 2.9°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles. Stole Ctability and store at 2.9°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.			The product is shipped at ambient temperature.
on subsequent experiments, it is recommended to ad an   recommended temperature (see below),     equal volume of glycerol for long-term storage (see Stability   and Storage for more details).     If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).     Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (SBmM Na2HPO4, 17mM NaH2PO4, 68mM NaCL, pHB.), 51 trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM G     Stability and Storage   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Store at 2.8°C for (1-2 weeks). Long Term Storage: Storage of Reconstituted Protein     Schort Term Storage:   Store at 2.8°C for (1-2 weeks). Long Term Storage: Storage of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Validation of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.	and Storage	-	Upon receipt, store it immediately at the
equal volume of glycerol for long-term storage (see Stability and Storage for more details).     If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).     Note: Centrifuge vial before opening. When reconstituting gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (SBmM Na2HPO4, 17mM NaH2PO4, 68mM NaCl. pH8). 5 ' trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 100mM Contained and 5 % mannitol are added as protectant before Lyophilized powder.     Stability and Storage   Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Storage of Reconstituted Protein   Short Term Storage: Store for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Store for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.		•••	recommended temperature (see below).
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifyee vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (58mM Na 2HPO 4, 17mM NaH2PO 4, 68mM NaCL, pH8). 5" trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM Costability and Storage     Store for up to 12 months at -20°C to -80°C as lyophilized powder.   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Store at 2.4°C for (1-2 weeks). Long Term Storage: Aligue and store at 20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   If a different freeze-thaw cycles.			
adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).     Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCL, pH8). 5 <sup>th</sup> trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 100mM Of Stability and Storage     Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Storage of Reconstituted Protein     Sclorage of Sclorage: Aligout ad store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Scleected Validation Data			
ion concentration of the final solution will vary according to the volume used).     Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4, 17mM NaH2PO4, 68mM NaCL, pH8). 5* trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 100mM C     Stability and Storage   Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Storage of Reconstituted Protein   Store at 2-8°C for (1-2 weeks). Long Term Storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile ware and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Image: Constitution with sterile ware and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.			
Note: Centrifuge vial before opening, When reconstituting, genty pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (SBm Na2HPO4, 17m M NaH2PO4, 68m M NaCL, pH8). 5' trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 100m MC     Stability and Storage   Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Storage of Reconstituted Protein   Short Term Storage: Store at 2-8°C for (1-2 weeks). Long Term Storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Image: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.			
gently pipet and wash down the sides of the vial to ensure full     Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8). 5' trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 100mM C     Stability and Storage   Store for up to 12 months at -20°C to -80°C as Lyophilized powder.     Storage of Reconstituted Protein   Short Term Storage: Store at 2-8°C for (1-2 weeks). Long Term Storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Image: Store at 2-8°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.		•	
Purity   85%, by SDS-PAGE with Coomassie Brilliant Blue staining.     Formulation   The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCL, pH8). 5' trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM of Stability and Storage     Stability and Storage   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Short Tem Storage: Store at 2-8°C for (1-2 weeks). Long Tem Storage: Aliguot and store at 2-90°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   ####################################			
Formulation   The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4, 17mM NaH2PO4, 68mM NaCl, pH8). 5 trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM of trehalose and 5 % mannitol are added as protectant before lyophilized powder.     Storage of Reconstituted Protein   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Store for up to 12 months at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Image: Page Page Page Page Page Page Page Page			
Stability and Storage   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Store at 2-8°C for (1-2 weeks).   Long Term Storage:     Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Stored Validation Data   Image: Store at 2-8°C for (1-2 weeks).	Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.	
Stability and Storage   Store for up to 12 months at -20°C to -80°C as lyophilized powder.     Storage of Reconstituted Protein   Short Term Storage: Store at 2-8°C for (1-2 weeks). Long Term Storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Stelected Validation Data   Image: Store of glycerol. Avoid repeat freeze-thaw cycles.		The purified protein was I vophilized from sterile PBS (58mM Na2)	ΗΡΩ (4 17m M Na H 2 PΩ (4 68m M Na C L nH8 ) 5 %
Storage of Reconstituted Protein   Short Term Storage:     Store at 2-8°C for (1-2 weeks).   Long Term Storage:     Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data	Formulation		•
Storage of Reconstituted Protein   Short Term Storage:     Store at 2-8°C for (1-2 weeks).   Long Term Storage:     Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data	Stability and Storage	Store for up to 12 months at -20°C to -80°C as lyophilized powder.	
Store at 2-8°C for (1-2 weeks). Long Term Storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.			
Reconstituted Protein   Long Term Storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.     Selected Validation Data   Image: Term Storage: Te	Storage of		
Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.	Reconstituted Protein		
reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.			
Selected Validation Data			
76 kDa→		volume of glycerol. Avoid repeat freeze-thaw cycles.	
<sup>74</sup> kDa→	Selected Validation Data	_	
		74 kDa→	
43 600 -		<sup>00 kDa→</sup>	
		43 kDa→	
		23 100	

20 kDa-

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522)E : proteintech@ptglab.com W:(toll free in USA), or 1(312) 455-8498ptglab.com(outside USA)(outside USA)

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