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

## Recombinant human DIAPH2 protein



Size:       TLADDVRONTSFIRSTVIKEKPULIPEGNMEDAVLAP         S0 µg       PARQPVDESSULSERVENDEFGNMEDAVLAP         S0 µg       PARQPVDESSULSERVENDEFGNMEDAVLAP         S0 µg       PARQPVDESSULSERVENDEFGNMEDAVLAP         S0 µg       PARQPVDESSULSERVENDEFGNMEDAVLAP         Social       Species:         human       Expression Source:         e coli-derived, PTZBa, with N-terminal 6*His.       Biological Activity:         Not tested       Endowin Level:         Please contact the lab for more information       Pression Source:         Reconstitution       Reconstitution:         Reconstitution and Storage       Reconstitution with sterile water for short-term strage.         After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for longet rem storage (see Stability and Storage for more dealis).       The product is shipped at ambient temperature (see below).         Purity       85%, by SDS-PAGE with Coomassie Brilliant Blue staining.       The purified protein into solution.         Formulation       The purified protein was Lyophilized from sterile PBS (SBm M Na2HPO4, 17m NaH2PO4, 66m NaCl, pH7.4), 5% trebalose and 5% mannitol are added as protectam before Lyophilization. The elution buffer contain 300m M indazole.         Stability and Storage       Ster for up to 12 months at -20°C to -80°C as Lyophilized powder.         Storage of	Basic Information	Catalog Number:	
Supple       Partial       Partia       Partial       Partial		Ag35322	-
Form:       APPLINGT TRADEWYQYIST         A variable lyophilized       (3:3:166 as encoded by ML.066729.6)         Species:       Numan         Construction       Cold.optical Activity:         Naman       Cold.optical Activity:         Naman       Cold.optical Activity:         Naman       Cold.optical Activity:         Naman       Presson Source:         Cold.optical Activity:       Reconstitution         Naman       Reconstitution Name         Bandowin Level:       Presson Source:         Presson Source:       Reconstitution Name         Storage       Reconstitution Name         Bandowin Level:       Reconstitution Name         Activity:       Addition Name         Addition Name       Reconstitution Name         Addition Name       Storage for more details).         Addition Name       Storage for more details).         Addition Name       Storage for more details of the viail to ensure full         Porturity       Rest addition Name         Formulation       The putified protein mos obution:         Storage of Reconstituted Portein       Storage of the protein mos obution:         Rest addition Portein       Storage of the protein mos obution:         Rotadiate addition of an equition of			
Available tyophilized Species Muman Expression Source: Condenvied, PTSBa, with Neterminal 64tis. Biological Activity: Note Constitution Reconstituted Protein Reconstituted Protein Reco		-	
huma         Picture         e. di-derived, PET28a, with h-terminal 6*His.         Biological Activity:         Victused         Processitie         Reconstitution         Reconstitution         Reconstitution come information         Reconstitution victuses         After reconstitution victuses of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in to come termines), tils recommende to add an equal volume of giveen (in the solution will vary a conding to the volume tead).         Purity       85% by 5DS-PAGE with Coomassie Brilliant Blue staining.         Formulation       The purified protein was Lyophilized from sterile PBS (SBm Na2HPO A, 17m NaH2PO A, 68m NaCl, pH7, 4), 5 % treations and 5 % mannitol are added as protectan before lyophilization. The elucion buffer contain 300m M         Storage of Reconstituted Protein </td <td></td>			
<ul> <li>c cdri/edived_PET288, with N-terminal 6'His.</li> <li>Biological Activity:</li> <li>Nate tested</li> <li>Pease contact the lab for more information</li> <li>Reconstitution</li> <li>Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term, and 50 torage</li> <li>After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to adapt.</li> <li>After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to adapt.</li> <li>Mere reconstitution with at solution will vary according to the volume of glycerol for long-term storage (see Stability and Storage for more details).</li> <li>Nate: Centrifige vial before opening. When reconstituting, gently pipet and wash down the side of the value to ensure full vary according to the volume or glycerol. Nate: Centrifige vial before opening. When reconstituting.</li> <li>Formulation</li> <li>The purfied protein was Lyophilized from sterile PBS (SBmM Na2HPO 4, 17mM NaH2PO 4, 68m NaCL pH7, 4), 5 % trebalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 300mM for the final solution with sterile vaster and addition of an equal volume user and addition of an equal volume of glycerol. Suce there was and addition of an equal volume user and addition of an equal volume of glycerol.</li> <li>Stelected Validation Data</li> </ul>		•	
Noteside       Endotion Level:         Resconstitution and Storage       Rescontat the lab for more information         Reconstitution and Storage       Reconstitute 0.25 µg/µl in 200 µl stelle water for short-term storage.       Shipped at ambient temperatur storage for short-term storage in subsequent at 0.25 µg/µl in 200 µl stelle water for short-term storage in subsequent at 0.25 µg/µl in 200 µl stelle water for short-term storage in subsequent sepriments, it is recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).       Shipped the product is shipped at ambient temperatur storage for more details).         Purity       If a different concentration is meeded for your purposes to rec: the ion concentration of the final solution will vary according to the volume used).       Note: Centrityge vial before opening. When reconstituting.         Purity       85% by SDS-PAGE with Coomassie Brilliant Blue staining.       The purified protein into solution.         Formulation       The purified protein was Lyophilized from sterile PBS (SBm Na2HPO4.17mM NaH2PO4, 68mM NaCL, pH7.4). 5 % trehatose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 300mM for indiazole.         Storage of Reconstituted Protein       Store for up to 12 months at -20°C to -80°C as Lyophilized powder.         Storage of Reconstitution with stelle water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.         Store at 2.8°C for (12 weeks). Lang term Storage         Store at 2.8°C for (12 weeks). Lang term Storage         Store at 2.		and the second	
Reconstitution       Reconstitute 10 25 µfyl in 200 µl sterile water for short-errs.       Stoppe         After reconstitution with sterile water, if glycerol has no effer.       Stoppe       The roducti is shopped at ambient temperature (see below).         If a difference of glycerol for torg-term storage (see Stabiliz) and Storage for more details).       If a difference incentration is needed for your purposes please adjust the reconstitution with sterile water, if glycerol has no effet in concentration in steeded for your purposes please adjust the reconstitution of the final solution will way according to inconcentration of the final solution will way according to inconcentration of the final solution will way according to inconcentration of the final solution will way according to inconcentration in the solution.       Stoppe       The purpote in the solution will way according to income the solution will way according to inconcentration in the solution.       Stoppe       The purpote in the solution will way according to income the solution.       Stoppe to income according to income the solution.       Stoppe to income according to income the solution.       Stoppe to income according to			
and Storage       Neconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.       The product is shipped at ambient temperature (see below).         After reconstitution with sterile water, if glycerol has no effect on subsequent experimended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).       The product is shipped at ambient temperature (see below).         If a different concentration of the final solution will vay 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 (SBm Na2HPO4, 17mM NaH2PO4, 68mM NaCL, pH7.4). 5 % trehalose and 5 % manitol are added as protectant before Lyophilization. The elution buffer contain 300mM imidazole.         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).       Log termes Storage.         Aliquot and storage:       Store at 2-8°C for (1-2 weeks).         Log termes Storage       Short Tem Storage:         Store at 2-8°C for (1-2 weeks).       Log termes storage.         Log termes storage:       Store at 2-8°C for (2-2 weeks).         Log termes storage:       Store at 2-8°C for (2-30°C for up to 3 months, reconstitution with sterite water and addition of an equal volume of glycerol. Avoid repea			
and Storage       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).       Upon receipt, store it immediately at the recommended to add an equal volume of glycerol for long-term storage (see Stability and Storage for more details).       Upon receipt, store it immediately at the recommended to add an equal volume of the glycerol for long-term storage (see Stability and Storage for more details).       Upon receipt, store it immediately at the recommended temperature (see below).         Purity       85%, by SDS-PAGE with Coomassie Brilliant Blue staining.       Upon receipt, store it immediately at the recommended temperature (see below).         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, pH7.4), 5 % trealose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.         Stability and Storage       Store for up to 12 months at -20°C to -80°C as Lyophilized powder.         Storage of Reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.         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.         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.	Reconstitution		
on subsequent experiments, it is recommended to ad 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,         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 (58mM Na2HPO4, 17mM NaH2PO4, 68m M NaCL, pH7.4), 5 %         trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 300m M         midazole.         Stability and Storage         Store for up to 12 months at -20°C to -80°C as Lyophilized powder.         Store al 2-8°C for (1-2 weeks).         Long Term Storage:         Reconstituted Protein         Aliquot and store at -20°C to -80°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	and Storage	storage.	Upon receipt, store it immediately at the
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, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.         Stability and Storage       Store for up to 12 months at -20°C to -80°C as lyophilized powder.         Storage of Reconstituted Protein       Storage: Storage: Storage: Storage: Storage: Storage: National storage: Storage at 20°C for 12 weeks).         Storage of Reconstituted Protein       Avoid repeat freeze-thaw cycles.         Selected Validation Data       Storage addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.		equal volume of glycerol for long-term storage (see Stability	
ion concentration of the final solution will vary according to the volume used).         Note: Centrifyee vial before opening. When reconstituting, genity 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, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.         Stability and Storage       Store for up to 12 months at -20°C to -80°C as lyophilized powder.         Storage of Reconstituted Protein       Store at 2.4°C for (1-2 weeks). Liquot 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 2.4°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.			
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, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 300mM imidazole.         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: Store at 2-20°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: Selected Validation Data		adjust the reconstitution volume as required (please note: the	
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, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 300mM imidazole.         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 -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 -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.			
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Formulation       The purified protein was Lyophilized from sterile PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCL, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before Lyophilization. The elution buffer contain 300mM imidazole.         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: Stora 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: Storage Addition Data			
Stability and Storage       Store for up to 12 months at -20°C to -80°C as lyophilization. The elution buffer contain 300mM imidazole.         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.	
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       ####################################	Formulation	trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM	
Storage of       Storage of (1-2 weeks).         Long 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.		imidazole.	
Reconstituted Protein       Long Term Storage:         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: Selected Validation Data	Stability and Storage	Store for up to 12 months at -20°C to -80°C as lyophilized powder.	
Reconstituted Protein       Long Term Storage:         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: Imag	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		
Selected Validation Data		Aliquot and store at -20°C to -80°C for up to 3 months,	
76 kBa→		•	
$\frac{76}{8}$ kBa $\rightarrow$	Selected Validation Data	_	
43 kDa→		$^{74}_{66}$ kDa $\rightarrow$	
43 KD3→		42 100	
		4.5 KD2 →	

28 kDa

20 L.D.

← 21 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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