For Research Use Only

Recombinant Human PDIA4/ERp72 protein (rFc Tag)

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Catalog Number: Eg3011

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human PDIA4 protein Val21-Thr641 (Accession# P13667) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
9601

Accession:
P13667

Predicted Molecular Mass:
96.2 kDa

SDS-PAGE:
85-110 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

PDIA4(Protein disulfide-isomerase A4) is also named as ERP70, ERP72 and belongs to the protein disulfide isomerase family. It catalyzes the rearrangement of -S-S- bonds in proteins. ERp72 is a soluble protein localized in the ER lumen and contains the COOH-terminal retention signal, KEEL. There are 6 cysteine residues in the amino acid sequences of mouse and human ERp72. All of the cysteine residues occur in the internal thioredoxin motif, CGHC(PMID:15475357). The full length protein has a signal peptide with 20 amino acid.

References

1. van Lith M. et al. (2005). J Biol Chem. 280(2):1376-83.

Synonyms

ERp72, EC:5.3.4.1, ERp 72, ERp70, ERp-72

For technical support and original validation data for this product please contact

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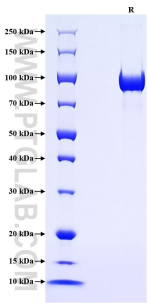
Selected Validation Data



Purity of Recombinant Human PDIA4 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.