Recombinant Human ERP72/PDIA4 Protein (aa 1-641, His

Tag)

Catalog Number: PKSH030654



Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Synonyms Protein Disulfide-Isomerase A4; Endoplasmic Reticulum Resident Protein 70; ER

Protein 70;ERp70;Endoplasmic Reticulum Resident Protein 72;ER Protein

72;ERp-72;ERp72;PDIA4;ERP70;ERP72

Species Human

Expression Host HEK293 Cells **Sequence** Met 1-Thr641

AccessionP13667Calculated Molecular Weight71.6 kDaObserved molecular weight67 kDaTagC-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per ug of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4

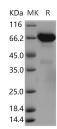
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

ERP72; also known as PDIA4; is an endoplasmic reticulum luminal protein which belongs to the protein disulfide isomerase family. ERP72 is a stress protein and participates in the catalysis of protein-S-S-bond rearrangement. Both of PDIA4 and PDIA3 function as proteases; protein disulfide isomerases; phospholipases or an arrangement of these. ERP72 compose part of a large chaperone multiprotein complex comprising CABP1; DNAJB11; HSP90B1; HSPA5; HYOU; PDIA2; PDIA4; PPIB; SDF2L1; UGT1A1 and very small amounts of ERP29; but not; or at very low levels; CALR nor CANX.

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