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

Catalog No. PKSH030654

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

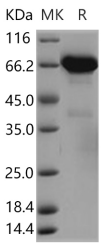
Description

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
Accession	P13667
Calculated Molecular Weight	71.6 kDa
Observed molecular weight	67 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg 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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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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