

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



Catalog Number:PKSH030654

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

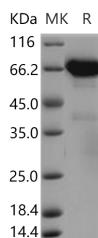
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Met 1-Thr641
<b>Accession</b>	P13667
<b>Calculated Molecular Weight</b>	71.6 kDa
<b>Observed molecular weight</b>	67 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	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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