

## Recombinant Human ERP72/PDIA4 Protein (Fc Tag)

Catalog Number: PKSH030655

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

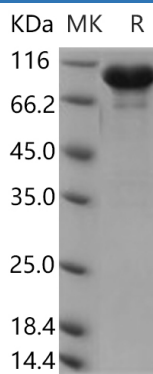
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human ERP72/PDIA4 protein Met 1-Thr641, with an C-terminal hFc
<b>Calculated MW</b>	97.2 kDa
<b>Observed MW</b>	96 kDa
<b>Accession</b>	P13667
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % 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% Tween 80 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



> 90 % 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.

### For Research Use Only