

## Recombinant Human ERP27 Protein (His Tag)

Catalog No. PKSH033303

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

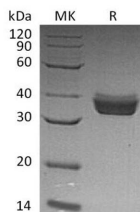
### Description

<b>Synonyms</b>	Endoplasmic Reticulum Resident Protein 27;ER Protein 27;ERp27;ERP27;C12orf46
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Glu26-Leu273
<b>Accession</b>	Q96DN0
<b>Calculated Molecular Weight</b>	28.8 kDa
<b>Observed molecular weight</b>	32-38 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Not validated for activity

### 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 a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0. 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



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

Endoplasmic reticulum resident protein 27; also known as ER protein 27; C12orf46 and ERP27; is an endoplasmic reticulum luminal protein which is a member of the protein disulfide isomerase family. ERP27 contains one thioredoxin domain and does not contain a CXXC active site motif. ERP27 is widely expressed in many tissues; it has highest expression in pancreas; with lower levels in spleen; lung; kidney; thymus; and bone marrow. ERP27 interacts with PDIA3 and binds somatostatin-14 via hydrophobic interactions. ERP27 may act as a protease; protein disulfide isomerase; thiol-disulfide oxidase or phospholipase.

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