

## Datasheet for ABIN7317271 ERP27 Protein (Fc Tag)



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### Overview

Quantity:	100 µg
Target:	ERP27
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERP27 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Human ERP27 Protein (Fc Tag)
Sequence:	Glu26-Pro269
Characteristics:	A DNA sequence encoding the human ERP27 (Q96DN0) (Glu26-Pro269) was fused with Fc region of mouse IgG at the C-terminus.
Purity:	> 84 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

### Target Details

Target:	ERP27
Alternative Name:	ERP27 ( <a href="#">ERP27 Products</a> )
Background:	Background: ERP27 contains 1 thioredoxin domain and is a noncatalytic member of the protein disulfide isomerase family. Protein disulfide isomerases (PDIs) constitute a family of structurally related enzymes which catalyze disulfide bonds formation, reduction, or

## Target Details

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isomerization of newly synthesized proteins in the lumen of the endoplasmic reticulum (ER). They act also as chaperones, and are, therefore, part of a quality-control system for the correct folding of the proteins in the same subcellular compartment. PDI has been found to have moderate effects (25-fold) on the rate of oxidative folding of proteins in vitro. Recombinant Human Protein Disulfide Isomerase is involved in disulphide-bond formation and isomerization, as well as the reduction of disulphide bonds in proteins. Recombinant PDI has been found to have moderate effects (25-fold) on the rate of oxidative folding of proteins in vitro. ERP27 is a widely expressed protein which localizes to the ER and may act as a protease, protein disulfide isomerase, thiol-disulfide oxidase or phospholipase. ERP27 doesn't contain a CXXC active site motif indicating that it is a catalytically redox-inactive member of the protein disulfide isomerase family.

Synonym: Endoplasmic Reticulum Resident Protein 27, ER Protein 27, ERp27, ERP27, C12orf46

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Molecular Weight: 53.7 kDa

UniProt: [Q96DN0](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.