

# Human ERP72 / PDIA4 (His Tag) recombinant protein



Catalog Number: 501831

## General Information

### Gene Name Synonym

Endoplasmic reticulum resident protein 70;  
Endoplasmic reticulum resident protein 72

### Protein Construction

A DNA sequence encoding the human PDIA4 (P13667) (Met1-Thr641) was expressed with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Val 21

### Molecular Mass

The recombinant human PDIA4 comprises 632 amino acids and has a predicted molecular mass of 71.6 kDa. The apparent molecular mass of the protein is approximately 67 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

- 5 % trehalose and mannitol are added as protectants before lyophilization.
- Please contact us for any concerns or special requirements.

## Usage Guide

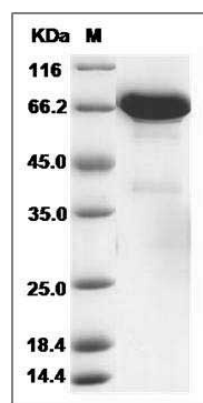
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human ERP72 / PDIA4 Protein (His Tag) SDS-PAGE