

## Recombinant Human ERP72/PDIA4 Protein (aa 21-645, His Tag)

Catalog Number: PKSH032956

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

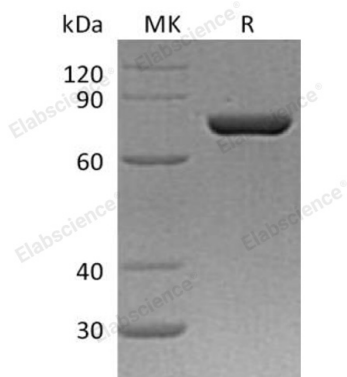
### Description

|                      |                                                                                     |
|----------------------|-------------------------------------------------------------------------------------|
| <b>Species</b>       | Human                                                                               |
| <b>Source</b>        | HEK293 Cells-derived Human ERP72;PDIA4 protein Val21-Leu645, with an C-terminal His |
| <b>Calculated MW</b> | 71.7 kDa                                                                            |
| <b>Observed MW</b>   | 75 kDa                                                                              |
| <b>Accession</b>     | P13667                                                                              |
| <b>Bio-activity</b>  | Not validated for activity                                                          |

### Properties

|                      |                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>        | > 95 % as determined by reducing SDS-PAGE.                                                                                                      |
| <b>Concentration</b> | Subject to label value.                                                                                                                         |
| <b>Endotoxin</b>     | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                 |
| <b>Storage</b>       | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.                                                                      |
| <b>Shipping</b>      | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C. |
| <b>Formulation</b>   | Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.                                                      |

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Protein Disulfide-Isomerase A4 (PDIA4) is an endoplasmic reticulum luminal protein that belongs to the protein disulfide isomerase family. Human PDIA4 is synthesized as a 625 amino acid precursor that contains a 20 amino acid signal sequence; and a 625 amino acid mature chain; including three thioredoxin domains. PDIA4 catalyzes the rearrangement of -S-S- bonds in proteins and is thought to be a deoxycytidine kinase. In addition; PDIA4 serves as a proteases protein disulfide isomerase; phospholipase or an arrangement of these.