

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



Catalog Number:PKSH032956

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

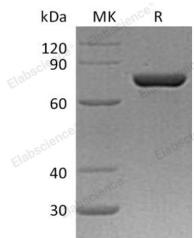
## Description

<b>Synonyms</b>	Protein Disulfide-Isomerase A4;Endoplasmic Reticulum Resident Protein 70;ER Protein 70;ERp70;Endoplasmic Reticulum Resident Protein 72;ER Protein 72;ERp-72;ERp72;PDIA4;ERP70;ERP72
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Val21-Leu645
<b>Accession</b>	P13667
<b>Calculated Molecular Weight</b>	71.7 kDa
<b>Observed molecular weight</b>	75 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g 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 $\mu$ m filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
<b>Reconstitution</b>	Not Applicable

## 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.

## For Research Use Only

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