

Recombinant Human ERP57/PDIA3 Protein (His Tag)

Catalog Number: PKSH032955



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

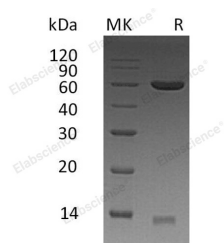
Description

Synonyms	PDIA3 protein;Protein disulfide-isomerase A3;58 kDa glucose-regulated protein;Disulfide isomerase ER-60;ER protein 57
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser25-Leu505
Accession	P30101
Calculated Molecular Weight	55.3 kDa
Observed molecular weight	60 kDa
Tag	C-His

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	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.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 7.5.
Reconstitution	Not Applicable

Data



> 85 % as determined by reducing SDS-PAGE.

Background

PDIA3 protein is also known as Protein disulfide-isomerase A3. It is a protein that in humans is encoded by the PDIA3 gene. PDIA3 is an enzyme that belongs to the endoplasmic reticulum and interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. PDIA3 interacts with thiazide-sensitive sodium-chloride cotransporter in the kidney and is induced by glucose deprivation. PDIA3 is part of the major histocompatibility complex (MHC) class I peptide-loading complex (TAP1), which is important for formation of the final antigen conformation and export from the endoplasmic reticulum to the cell surface.

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