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Datasheet for ABIN7318950

PDIA4 Protein (AA 21-645) (His tag)

Overview

Quantity:	50 µg
Target:	PDIA4
Protein Characteristics:	AA 21-645
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDIA4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ERP72/PDIA4 Protein (aa 21-645, His Tag)
Sequence:	Val21-Leu645
Characteristics:	Recombinant Human Protein Disulfide-Isomerase A4 is produced by our Mammalian expression system and the target gene encoding Val21-Leu645 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PDIA4
Alternative Name:	ERP72/PDIA4 (PDIA4 Products)

Target Details

Background: 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.

Synonym: 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

Molecular Weight: 71.7 kDa

UniProt: [P13667](#)

Pathways: [Thyroid Hormone Synthesis](#), [Cell RedoxHomeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 7.5.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.