Datasheet for ABIN7318949

PDIA3 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	PDIA3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDIA3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ERP57/PDIA3 Protein (His Tag)
Sequence:	Ser25-Leu505
Characteristics:	Recombinant Human Protein Disulfide-Isomerase A3 is produced by our Mammalian expression system and the target gene encoding Ser25-Leu505 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:	PDIA3
Alternative Name:	ERP57/PDIA3 (PDIA3 Products)
Background:	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

Target Details

	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. Synonym: PDIA3 protein,Protein disulfide-isomerase A3,58 kDa glucose-regulated protein,Disulfide isomerase ER-60,ER protein 57
Molecular Weight:	55.3 kDa
UniProt:	P30101
Pathways:	Maintenance of Protein Location, Protein targeting to Nucleus, 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.