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Datasheet for ABIN1880692

**PDIA3 Protein (AA 25-505) (His tag)**

## Overview

Quantity:	50 µg
Target:	PDIA3
Protein Characteristics:	AA 25-505
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDIA3 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Protein Disulfide-Isomerase A3/PDIA3 (C-6His)
Sequence:	<p>SDVLELTDDN FESRISDTGS AGLMLVEFFA PWCGHCKRLA PEYEEAAATRL KGIVPLAKVD</p> <p>CTANTNTCNK YGVSGYPTLK IFRDGEEAGA YDGPRTADGI VSHLKKQAGP ASVPLRTEEE</p> <p>FKKFISDKDA SIVGFFDDSF SEAHSEFLKA ASNLRDNYRF AHTNVESLVN EYDDNGEGII</p> <p>LFRPSHLTNK FEDKTVAYTE QKMTSGKIKK FIQENIFGIC PHMTEDNKDL IQGKDLLIAY</p> <p>YDV DY EKN AK GSN YWRNRVM MVAKKFLDAG HKLNFAVASR KTF SHELSDF GLESTAGEIP</p> <p>VVAIR TAKGE KFVMQEEFSR DGKALERFLQ DYFDGNL KRY LKSEPIPESN DGPVKVVVAE</p> <p>NFDEIVNNEN KDV LIEFYAP WCGHCKNLEP KYKELGEKLS KDPNIVIAKM DATANDVPSP</p> <p>YEVRGFPTIY FSPANKKLNP KKYEGGRELS DFISY LQREA TNPPVIQEEK PKKKKKAQED</p> <p>LVDHHHHHHH</p>
Characteristics:	Recombinant Human Protein disulfide-isomerase A3/PDIA3 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ser25-Leu505) of Human PDIA3 fused with a polyhistidine tag at the C-terminus.

## Product Details

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	PDIA3
Alternative Name:	PDIA3 ( <a href="#">PDIA3 Products</a> )
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: PDIA3 protein is also known as Protein disulfide-isomerase A3.</p>
Molecular Weight:	55.3 kDa
UniProt:	<a href="#">A5D7E8</a>
Pathways:	<a href="#">Maintenance of Protein Location</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Cell Redox Homeostasis</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

## Handling

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Storage: -80 °C

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

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Expiry Date: 6 months