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Datasheet for ABIN7318952 PDIA6 Protein (His tag)

Overview

Quantity:	50 µg
Target:	PDIA6
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDIA6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PDIA6 Protein (His Tag)
Sequence:	Leu20-Leu440
Characteristics:	Recombinant Human Protein Disulfide-Isomerase A6 is produced by our Mammalian expression system and the target gene encoding Leu20-Leu440 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:	PDIA6
Alternative Name:	PDIA6 (PDIA6 Products)
Background:	Background: Protein Disulfide-Isomerase A6 (PDIA6) is a 48.5 kDa protein that belongs to the protein disulfide isomerase family (PDI). PDIA6 is an enzyme in the endoplasmic reticulum in

Target Details

eukaryotes which catalyzes the formation and breakage of disulfide bonds between cysteine residues within proteins as they fold. The PDIA6 expressed in platelets, its functions as a chaperone that inhibits aggregation of misfolded proteins. PDIA6 is part a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1. PDIA6 also plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin.

Synonym: Protein Disulfide-Isomerase A6, Endoplasmic Reticulum Protein 5, ER Protein 5, ERp5, Protein Disulfide Isomerase P5, Thioredoxin Domain-Containing Protein 7, PDIA6, ERP5, P5, TXNDC7

Molecular Weight:	47.2 kDa
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UniProt:	Q15084
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Pathways:	ER-Nucleus Signaling , Cell RedoxHomeostasis
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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