

Recombinant Human PDIA2 protein, His & T7-tagged

Cat. No. PDIA2-7047H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDIA2 aa. (Leu309~Leu525 (Accession # Q13087)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu309~Leu525
Description	This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, two catalytically active thioredoxin (TRX) domains, two TRX-like domains and a C-terminal ER-retention sequence. The protein plays a role in the folding of nascent proteins in the endoplasmic reticulum by forming disulfide bonds through its thiol isomerase, oxidase, and reductase activity.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PDIA2 protein disulfide isomerase family A member 2 [Homo sapiens (human)]
Official Symbol	PDIA2
Synonyms	PDIA2; protein disulfide isomerase family A member 2; PDI; PDA2; PDIP; PDIR; protein disulfide-isomerase A2; Rho GDP dissociation inhibitor gamma; pancreas-specific protein disulfide isomerase; pancreatic protein disulfide isomerase; protein disulfide isomerase, pancreatic; protein disulfide isomerase-associated 2
Gene ID	64714
mRNA Refseq	NM_006849.2

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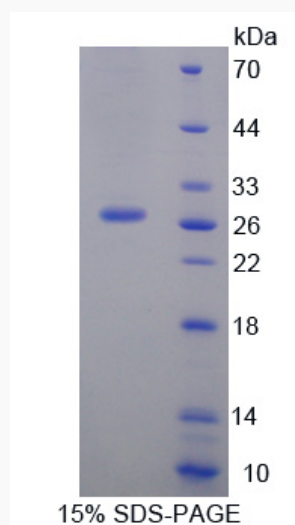
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Protein Refseq NP_006840.2

UniProt ID Q13087

SDS-PAGE



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