

Recombinant Human PDIA6 protein, GST-tagged

Cat. No. PDIA6-1618H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDIA6 protein(1-440 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-440 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MALLVLGLVSCTFFLAVNGLYSSSDVIELTPSNFNREVIQSDSLWLVEFYAPWCGH CQRLTPEWKKAATALKDVKVGAVDADKHSLGGQYGVQGFPTIKIFGSNKNRPED YQGGRGTGEAIVDAALSALRQLVKDRLGGRSGGYSSGKQGRSDSSSKKDVIELTDDS FDKNVLDSEDVWMVEFYAPWCGHCKNLEPEWAAAASEVKEQTKGKVKLAAVDATV NQVLASRYGIRGFPTIKIFQKGESPDYDGGRTSRSDIVSRALDLFSDNAPPELLEIIN EDIAKRTCEEHQLCVVAVLPHILDTGAAGRNSYLEVLLKLADKYKKKMWGWLWTEA GAQSELETALGIGGFGYPAMAAINARKMKFALLKGSFSEQGINEFLRELSFGRGSTA PVGGGAFPTIVEREPWDGRDGELPVEDDIDLSDVELDDLKDEL

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Purity	75%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	PDIA6 protein disulfide isomerase family A, member 6 [Homo sapiens]
Official Symbol	PDIA6
Synonyms	PDIA6; protein disulfide isomerase family A, member 6; protein disulfide isomerase associated 6 , thioredoxin domain containing 7 (protein disulfide isomerase) , TXNDC7; protein disulfide-isomerase A6; ERp5; P5; protein disulfide isomerase related protein; ER protein 5; protein disulfide isomerase P5; endoplasmic reticulum protein 5; thioredoxin domain-containing protein 7; protein disulfide isomerase-associated 6; protein disulfide isomerase-related protein; thioredoxin domain containing 7 (protein disulfide isomerase); ERP5; TXNDC7;
Gene ID	10130
mRNA Refseq	NM_005742
Protein Refseq	NP_005733
MIM	611099

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UniProt ID	Q15084
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SDS-PAGE

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