

Recombinant Human PDIA6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDIA6-2239H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDIA6 MS Standard C13 and N15-labeled recombinant protein (NP_005733) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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, a TRX-like domain, and a C-terminal ER-retention sequence. This protein inhibits the aggregation of misfolded proteins and exhibits both isomerase and chaperone activity. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	48.1 kDa
AA Sequence	MALLVLGLVSCFTFLAVNGLYSSSDVIELTPSNFNREVIQSDSLWLVEFYAPWCGH CQRLTPEWKKAATALKDVVKVGAVDADKHSLGGQYGVQGFPPTIKIFGSNKNRPED YQGGRTGEAIVDAALSALRQLVKDRLGGRSGGYSSGKQGRSDSSSKKDVIELTDDS FDKNVLDSDEVWMVEFYAPWCGHCKNLEPEWAAAASEVKEQTKGKVKLAAVDATV NQVLASRYGIRGFPTIKIFQKGESPVVDYDGGRTSRSDIVSRALDLFSDNAPPPELLEIIN EDIAKRTCEEHQLCVVAVLPHILDTGAAGRNSYLEVLLKLADKYKKKMWGWLWTEA

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GAQSELETALGIGGFGYPAMAAINARKMKFALLKGSFSEQGINEFLRELSFGRGSTA
PVGGGAFPTIVEREPWDGRDGELPVEDDIDLSDVELDDLKDELTRTRPLEQKLISE
EDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PDIA6 protein disulfide isomerase family A member 6 [Homo sapiens (human)]

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

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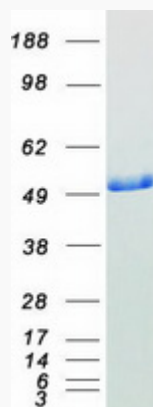
mRNA Refseq NM_005742

Protein Refseq NP_005733

MIM 611099

UniProt ID Q15084

SDS-PAGE



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