

PDIA6 recombinant protein

PDIA6, 20-440aa, Human, His tag, E Coli

CATALOG # AAA11803	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

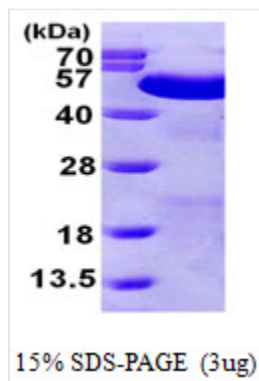
PRODUCT SYNONYMS

PDIA6; 20-440aa; Human; His tag; E Coli; Protein disulfide-isomerase A6; ERP5; P5; TXNDC7; PDIA6 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 50mM NaCl
Concentration	1mg/ml (determined by Bradford) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MLYSSDDVI ELTPSNFNRE VIQSDSLWLV EFYAPWCGHC QRLTPWKKK ATALKDVVKV GAVDADKHHS LGGQYGVQGF PTIKIFGSNK NRPEDYQGGR TGEAIVDAAL SALRQLVKDR LGGRSGGYSS GKQGRSDSS KKDVIELTDD SFDKNVLDSE DVWMVEFYAP WCGHCKNLEP EWAAAASEVK EQTGKVKLA AVDATVNQVL ASRYGIRGFP TIKIFQKGES PVDYDGGRTS SDIVSRALDL FSDNAPPEL LEIINEDIAK RTCEEHQLCV VAVLPILDT GAAGRNSYLE VLLKLADKYK KKMWGWLWTE AGAQSELETA LGIGGFGYPA MAAINARKMK FALLKGSFSE QGINEFLREL SFGRGSTAPV GGGAFPTIVE REPWDGRDGE LPVEDDIDLS DVELDDLKGD EL
Sequence Length	20-440
Applicable Applications for PDIA6 recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	Can be stored at 2 degree C to 8 degree C short term (1 week). For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for PDIA6 recombinant protein	PDIA6 is a member of the protein disulfide isomerase (PDI). PDI is an enzyme in the endoplasmic reticulum in eukaryotes or periplasmic space of prokaryotes that catalyzes the formation and breakage of disulfide bonds between cysteine residues within proteins as they fold. PDIA6 function as a chaperone that inhibits aggregation of misfolded proteins. It plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin. Recombinant human PDIA6 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for PDIA6 recombinant protein	Heat Shock Proteins
References	Jordan P.A., et al. (2005) Blood 105:1500-1507; Kikuchi M., et al. (2002) J. Biochem. 132:451-455;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031973
NCBI GeneID	10130
NCBI Accession #	NP_005733
NCBI GenBank Nucleotide #	NM_005742.3
UniProt Accession #	Q15084; Q53RC7; Q6ZSH5; Q99778; B3KY95; B5MCQ5; B7Z254; B7Z4M8; F8WA83
Molecular Weight	48.5kDa (442aa) confirmed by MALDI-TOF
NCBI Official Full Name	protein disulfide-isomerase A6 isoform d
NCBI Official Synonym Full Names	protein disulfide isomerase family A member 6
NCBI Official Symbol	PDIA6
NCBI Official Synonym Symbols	P5; ERP5; TXNDC7
NCBI Protein Information	protein disulfide-isomerase A6
UniProt Protein Name	Protein disulfide-isomerase A6
UniProt Gene Name	PDIA6
UniProt Synonym Gene Names	ERP5; P5; TXNDC7; ER protein 5; ERp5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.