

Disulfide Isomerase A6 Active Protein | PDIA6 active protein

Recombinant Human Protein Disulfide Isomerase A6, Active

CATALOG #
AAA39147

HOST
E Coli

PRODUCT SYNONYMS

Disulfide Isomerase A6; Recombinant Human Protein Disulfide Isomerase A6; Active; PDIA6 Human; 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; Protein Disulfide Isomerase A6 Human Recombinant; PDIA6 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered colorless solution. The PDIA6 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 50mM NaCl.
Sequence	MGSSHHH HHHSSGLVPR GSHMLY SSSDDVIELT PSNFNREVIQ SDSLWLVEFY APWCGHCQRL TPEWKKAATA LKDVVKVGAV DADKHHS LGG QYGVQGFP TI KIFGSNKNRP EDYQGGRTGE AIVDAALSAL RQLVKDRLGG RSGGYSSGKQ GRSDSSSKD VIELTDDSF DKNVLDSEVDW MVEFYAPWCG HCKNLEPEWA AAASEVKEQT KGKVKLA AV D ATVNQVLASR YGIRGFPTIK IFQKGES PVD YDGGRTSDI VSRALDLFSD NAPPPELLE I INEDIAKRTC EEHQLCVVAV LPHILDTGAA GRNSYLEVLL KLADKYKKKM WGWLWTEAGA QSELETALGI GGFGYPAMAA INARKMKFAL LKGSFSEQGI NEFLRELSFG RGSTAPVGGG AFPTIVEREP WDGRDGELPV EDDIDLSDVE LDDL GKDEL
Sequence Length	492
Biological Activity	Specific activity > 20 _{A650} /cm/min/mg. Enzymatic activity was confirmed by measuring the aggregation of insulin in the presence of DTT.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PDIA6 active protein	Description: PDIA6 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 442 amino acids (20-440 a.a.) and having a molecular mass of 48.5kDa. The PDIA6 is purified by proprietary chromatographic techniques. Introduction: PDIA6 belongs to the protein disulfide isomerase family (PDI). PDIA6 is an enzyme in the endoplasmic reticulum in eukaryotes or periplasmic space of prokaryotes which catalyzes the formation and breakage of disulfide bonds between cysteine residues within proteins as they fold. PDIA6 functions as a chaperone that inhibits aggregation of misfolded proteins. PDIA6, also has a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin.
Product Categories/Family for PDIA6 active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	544186032
NCBI GeneID	10130
NCBI Accession #	NP_001269633.1

NCBI GenBank Nucleotide #	NM_001282704.1
UniProt Accession #	Q15084 ; Q53RC7 ; Q6ZSH5 ; Q99778 ; B3KY95 ; B5MCQ5 ; B7Z254 ; B7Z4M8 ; F8WA83
Molecular Weight	53,261 Da
NCBI Official Full Name	protein disulfide-isomerase A6 isoform a
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-pdia6-active-protein/disulfide-isomerase-a6/39147>