

Disulfide Isomerase A4 Recombinant Protein | PDIA4 recombinant protein

Recombinant Human Protein Disulfide Isomerase A4

CATALOG # AAA38861	HOST E Coli
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PRODUCT SYNONYMS

Disulfide Isomerase A4; Recombinant Human Protein Disulfide Isomerase A4; PDIA4 Human; Protein Disulfide Isomerase A4 Human Recombinant; Endoplasmic reticulum resident protein 72; ERP70; ERP72; PDIA4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	The PDIA4 1mg/ml protein solution contains 20mM Tris-HCl, pH-8, 1mM DTT, 0.1M NaCl and 10% glycerol. Sterile filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMVA GAEGPDEDSS NRENAIEDEE EEEEEDDDEE EDDLEVKEEN GVLVLNDANF DNFVADKDTV LLEFYAPWCG HCKQFAPEYE KIANILKDKD PPIPVAKIDA TSASVLASRF DVSGYPTIKI LKKGQAVDYE GSRTQEEIVA KVREVSQPDW TPPPEVTLVL TKENFDEVVN DADIILVEFY APWCGHCKKL APEYEKAAKE LSKRSPPIPL AKVDATAETD LAKRFDVSGY PTLKIFRKGR PYDYNPREK YGIVDYMIEQ SGPPSKEILT LKQVQEFLKD GDDVIIIGVF KGESDPAYQQ YQDAANNLRE DYKFHHTFST EIAKFLKVSQ GQLVVMQPEK FQSKYEPRSH MMDVQGSTQD SAIKDFVLKY ALPLVGHRKV SNAKRYTRR PLVVVYYSVD FSDYRAATQ FWRSKVLEVA KDFPEYTFAI ADEEDYAGEV KDLGLSESGE DVNAAILDES GKKFAMEPEE FSDTLREFV TAFKKGKLP VIKSQVPKN NKGPKVVVG KTFDSIVMDP KKDVLIEFYA PWCGRHCKQLE PVYNSLAKKY KGQKGLVIK MDATEANDVPS DRYKVEGFPT IYFAPSGDKK NPVKFEGGDR DLEHLSKFIE EHATKLSRTK EEL
Sequence Length	645
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree 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 PDIA4 recombinant protein	Description: PDIA4 Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 646 amino acids (21-645 a.a.) and having a molecular weight of 72.9kDa. The PDIA4 is fused to 21a.a. His-Tag at N-terminus and purified by proprietary chromatographic techniques. Introduction: PDIA4 is an endoplasmic reticulum luminal protein that is a stress protein as well as a member of the protein disulfide isomerase family of proteins. PDIA4 participates in the catalysis of protein-S-S-bond rearrangement. PDIA4 and PDIA3 function as proteases, protein disulfide isomerases, phospholipases or an arrangement of these.
Product Categories/Family for PDIA4 recombinant protein	Enzymes; Isomerase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758304
NCBI GeneID	9601
NCBI Accession #	NP_004902.1

NCBI GenBank Nucleotide #	NM_004911.4
UniProt Accession #	P13667 ; Q549T6 ; A8K4K6
Molecular Weight	72,932 Da
NCBI Official Full Name	protein disulfide-isomerase A4
NCBI Official Synonym Full Names	protein disulfide isomerase family A, member 4
NCBI Official Symbol	PDIA4
NCBI Official Synonym Symbols	ERP70; ERP72; ERp-72
NCBI Protein Information	protein disulfide-isomerase A4; ER protein 70; ER protein 72; endoplasmic reticulum resident protein 70; endoplasmic reticulum resident protein 72; protein disulfide isomerase related protein (calcium-binding protein, intestinal-related); protein disulfide isomerase-associated 4
UniProt Protein Name	Protein disulfide-isomerase A4
UniProt Gene Name	PDIA4
UniProt Synonym Gene Names	ERP70; ERP72; ER protein 70; ERp70; ER protein 72; ERp-72; ERp72
UniProt Entry Name	PDIA4_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/pdia4-recombinant-protein-e-coli/38861>