

PDIA3 recombinant protein

PDIA3, 25-505aa, Human, His tag, E Coli

CATALOG # AAA11788	HOST E Coli	APPLICATIONS SDS-Page
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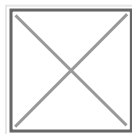
PRODUCT SYNONYMS

PDIA3; 25-505aa; Human; His tag; E Coli; Protein disulfide-isomerase A3; ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HsT17083; P58; PI-PLC; Protein disulfide-isomerase A3 58 kDa glucose regulated protein; 58 kDa microsomal protein; Disulfide isomerase ER 60; ER p57; ERp 57; Glucose Regulated Protein 58 Kd; GRP 57; GRP 58; PDIA 3; Phospholipase C alpha; PI PLC; Protein disulfide isomerase A3; Protein disulfide isomerase family A member 3.; PDIA3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 1mM DTT, 0.1 M NaCl, and 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	25-505
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSDV LETTDDNFES RISDTGSAGL MLVEFFAPWC GHCKRLAPEY EAAATRLKGI VPLAKVDCTA NTNTCNKYGV SGYPTLKIFR DGEEAGAYDG PRTADGIVSH LKKQAGPASV PLRTEEEFKK FISDKDASIV GFFDDSFSEA HSEFLKAASN LRDNYRFAHT NVESLVNEYD DNREGIILFR PSHLTNKFED KTVAYTEQKM TSGKIKKFIQ ENIFGICPHM TEDNKDLIQG KDLLIAYYDV DYEKNAKGSN YWRNRVMMVA KKFLDAGHKL NFAVASRKTf SHELSDFGLE STAGEIPVVA IRTAKGEKFV MQEEFSRDGK ALERFLQDYF DGNLKRYLKS EPIPESNDGP VKVVVAENFD EIVNNENKDV LIEFYAPWCG HCKNLEPKYK ELGEKLSKDP NIVIAKMDAT ANDVPSPYEV RGFPTIYFSP ANKKLNPKKY EGGRELSDFI SYLQREATNP PVIQEEKPKK KKKAQEDL
Applicable Applications for PDIA3 recombinant protein	SDS-PAGE
Tag Information	His-tag
Preparation and Storage	Store at 2-8°C (1-2weeks). For long term storage, aliquot and store at -20°C to -80°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 PDIA3 recombinant protein	PDIA3, also known as protein disulfide-isomerase A3, is a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. This protein has protein disulfide isomerase activity. PDIA3 is also part of the major histocompatibility complex (MHC) class I peptide-loading complex (TAP1), which is essential for formation of the final antigen conformation and export from the endoplasmic reticulum to the cell surface. Recombinant human PDIA3 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
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Product Categories/Family for PDIA3 recombinant protein	Heat Shock Proteins
References	Vigneron N., et al. (2009) Eur J Immunol. 39 (9):2371-6. ; Forster ML., et al. (2009) J Biol Chem. 284 (19):13045-56.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361657
NCBI GeneID	2923
NCBI Accession #	NP_005304
NCBI GenBank Nucleotide #	NM_005313.4
UniProt Accession #	P30101 ; Q13453 ; Q14255 ; Q8IYF8 ; Q9UMU7
Molecular Weight	58.5 kDa (518aa), confirmed by MALDI-TOF.
NCBI Official Full Name	protein disulfide-isomerase A3
NCBI Official Synonym Full Names	protein disulfide isomerase family A member 3
NCBI Official Symbol	PDIA3
NCBI Official Synonym Symbols	P58; ER60; ERp57; ERp60; ERp61; GRP57; GRP58; PI-PLC; HsT17083; HEL-S-269; HEL-S-93n
NCBI Protein Information	protein disulfide-isomerase A3
UniProt Protein Name	Protein disulfide-isomerase A3
UniProt Gene Name	PDIA3
UniProt Synonym Gene Names	ERP57; ERP60; GRP58; p58; ER protein 57; ERp57; ER protein 60; ERp60

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/pdia3-recombinant-protein-e-coli-sds-page/11788>