

Protein Disulfide Isomerase (PDI) Recombinant Protein | PDI recombinant protein

Recombinant Protein Disulfide Isomerase (PDI)

CATALOG # AAA134186	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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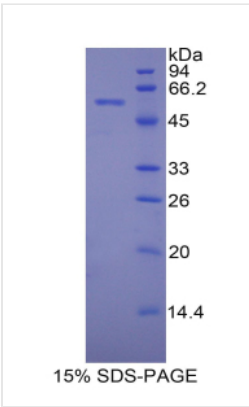
PRODUCT SYNONYMS

Protein Disulfide Isomerase (PDI); Recombinant Protein Disulfide Isomerase (PDI); PDI recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLIERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLYMDPM CLDAFPKLVC FKKRIEAIPO IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGPLGS -DEGRNFEF EITKEKLLDF IKHNQLPLVI EFTEQTAPKI FGGEIKTHIL LFLPKSVSDY DGKLSSFKRA AEGFKGKILF IFIDSDHTDN QRILEFFGLK KEECPAVRLI TLEEEMTKYK PESDELTAEK ITEFCHRFLE GKIKPHLMSQ EVPEDWDKQP VKVLVGANFE EVAFDEKKNV FVEFYAPWCG HCKQLAPIWD KLGETYKDHE NIIIAKMDST ANEVEAVKVH SFPTLKFFPA SADRTVIDYN GER
Sequence Length	509
Applicable Applications for PDI recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Asp212~Arg463 (Accession # P09103) with two N-terminal Tags, His-tag and GST-tag
Subcellular Location	Endoplasmic reticulum lumen. Melanosome. Cell membrane; Peripheral membrane protein
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	5.7
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	42415475
NCBI GeneID	18453
NCBI Accession #	NP_035162.1
NCBI GenBank Nucleotide #	NM_011032.2
UniProt Accession #	P09103; Q922C8
Molecular Weight	60.8kDa
NCBI Official Full Name	protein disulfide-isomerase
NCBI Official Synonym Full Names	prolyl 4-hydroxylase, beta polypeptide
NCBI Official Symbol	P4hb
NCBI Official Synonym Symbols	PDI; Thbp; ERp59; Pdia1
NCBI Protein Information	protein disulfide-isomerase; p55; ER protein 59; protein disulfide isomerase; prolyl 4-hydroxylase subunit beta; cellular thyroid hormone-binding protein; endoplasmic reticulum resident protein 59
UniProt Protein Name	Protein disulfide-isomerase
UniProt Gene Name	P4hb
UniProt Synonym Gene Names	Pdia1; PDI; ER protein 59; ERp59
UniProt Entry Name	PDIA1_MOUSE

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/p4hb-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134186>