

Recombinant Human PDIA3 protein, GST-tagged

Cat. No. PDIA3-1615H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDIA3 protein(161-505 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	161-505 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	DDSFSEAHSEFLKAASNLRDNYRFAHTNVESLVNEYDDNGEGIILFRPSHLTNKFED KTVAYTEQKMTSGKIKKFIQENIFGICPHMTEDNKDLIQGKDLLIAYYDVDYEKNAKGS NYWRNRVMMVAKKFLDAGHKLNFAVASRKTFSELSDFGLESTAGEIPVVAIRTA GEKFVMQEEFSRDGKALERFLQDYFDGNLKRYLKSEPIPESNDGPVKVVVAENFDEI VNNENKDVLIIFYAPWCGHCKNLEPKYKELGEKLSKDPNIVIAKMDATANDVPSPYE VRGFPTIYFSPANKKLNPKKYEGGRELSDFISYLQREATNPPVIQEEKPKKKKKAQED L
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
GENE INFORMATION	
Gene Name	PDIA3 protein disulfide isomerase family A, member 3 [Homo sapiens]
Official Symbol	PDIA3
Synonyms	PDIA3; protein disulfide isomerase family A, member 3; glucose regulated protein, 58kDa , GRP58, protein disulfide isomerase associated 3; protein disulfide-isomerase A3; ERp57; ERp60; ERp61; GRP57; HsT17083; P58; PI PLC; ER protein 57; ER protein 60; phospholipase C-alpha; 58 kDa microsomal protein; disulfide isomerase ER-60; endoplasmic reticulum P58; 58 kDa glucose-regulated protein; glucose regulated protein, 58kDa; protein disulfide isomerase-associated 3; endoplasmic reticulum resident protein 57; endoplasmic reticulum resident protein 60; ER60; GRP58; PI-PLC;
Gene ID	2923
mRNA Refseq	NM_005313
Protein Refseq	NP_005304
MIM	602046

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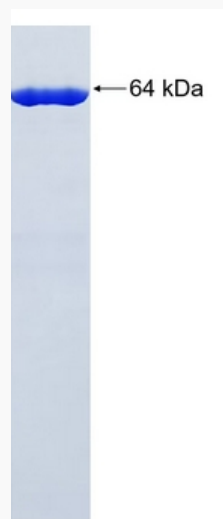
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UniProt ID

P30101

SDS-PAGE

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