

Active Recombinant Mouse PDIA3 Protein, His-tagged

Cat. No. PDIA3-32M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PDIA3 Protein (25-505aa) with His tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	25-505 a.a.
Description	Protein disulfide-isomerase A3 (PDIA3), also known as glucose-regulated protein, 58-kD (GRP58), is an isomerase enzyme. This protein localizes to the endoplasmic reticulum (ER) and interacts with lectin chaperones calreticulin and calnexin (CNX) to modulate folding of newly synthesized glycoproteins. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates.
Form	Liquid
Bio-activity	Specific activity is >15 A650/cm/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin.
Molecular Mass	56.8kDa (505aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Applications	Enzyme Activity, SDS-PAGE

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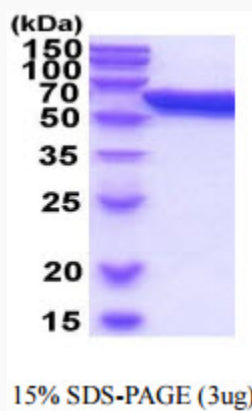
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
Storage Buffer	In 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT, 0.1M NaCl, and 10% glycerol
GENE INFORMATION	
Gene Name	Pdia3 protein disulfide isomerase associated 3 [Mus musculus (house mouse)]
Official Symbol	Pdia3
Synonyms	Pdia3; protein disulfide isomerase associated 3; Erp; PDI; Plca; 58kDa; ERp57; ERp60; ERp61; Grp58; PDI-Q2; PI-PLC; PLC[a]; protein disulfide-isomerase A3; 58 kDa glucose-regulated protein; 58 kDa microsomal protein; ER protein 57; ER protein 60; disulfide isomerase ER-60; endoplasmic reticulum protein; endoplasmic reticulum resident protein 57; endoplasmic reticulum resident protein 60; glucose regulated protein, 58 kDa; p58; phospholipase C, alpha; EC 5.3.4.1
Gene ID	14827
mRNA Refseq	NM_007952
Protein Refseq	NP_031978
UniProt ID	P27773

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SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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