



# Recombinant Rat Protein disulfide-isomerase A3 (Pdia3)

<b>Product Code</b>	CSB-EP017720RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P11598
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SDVLEL TDENFESRVS DTGSAGLMLV EFFAPWCGHC KRLAPEYEAA ATRLKGIVPL AKVDCTANTN TCNKYGVSGY PTLKIFRDGE EAGAYDGPRT ADGIVSHLKK QAGPASVPLR TEDEFKKFIS DKDASVVGFF RDLFSDGHSE FLKAASNLRD NYRFAHTNVE SLVKEYDDNG EGITIFRPLH LANKFEDKIV AYTEKMTSG KIKKFIQESI FGLCPHMTED NKDLIQGKDL LTAYYDVDYE KNTKGSNYWR NRVMMAKTF LDAGHKLNFA VASRKTF SHE LSDFGLESTT GEIPVVAIRT AKGEKFVMQE EFSRDGKALE RFLQEYFDGN LKRYLKSEPI PETNEGPVKV VVAESFDDIV NAEDKDV LIE FYAPWCGHCK NLEPKYKELG EKLSKDPNIV IAKMDATAND VPSPYEVKGF PTIYFSPANK KLTPKKYEGG RELNDFISYL QREATNPPII QEEKPKKKKK AQEDL
<b>Source</b>	E.coli
<b>Target Names</b>	Pdia3
<b>Protein Names</b>	Recommended name: Protein disulfide-isomerase A3 EC= 5.3.4.1 Alternative name(s): 58 kDa glucose-regulated protein 58 kDa microsomal protein Short name= p58 Disulfide isomerase ER-60 Endoplasmic reticulum resident protein
<b>Expression Region</b>	25-505
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.