

Protein Disulfide Isomerase A3 Mouse Recombinant

Item Number	rAP-1210
Synonyms	ERp57, ERp60, ERp61, GRP57, GRP58, HsT17083, P58, PI-PLC, ER60, Protein disulfide-isomerase A3, Disulfide isomerase ER-60, Endoplasmic reticulum resident protein 60, ER protein 60, 58 kDa microsomal protein, Endoplasmic reticulum resident protein 57, ER p
Description	PDIA3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 505 amino acids (25-505 a.a) and having a molecular mass of 56.8kDa. PDIA3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic
Uniprot Accession Number	P27773
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGMSDVLEL TDENFESRVS DTGSAGMLLV EFFAPWCGHC KRLAPEYEEA ATRLKGIVPL AKVDCTANTN TCNKYGVSGY PTLKIFRDGE EAGAYDGPRT ADGIVSHLKK QAGPASVPLR TEEEFKKFIS DKDASVVGFF RDLFSDGHSE FLKAASNLRD NYRFAHTNIE SLVKEYDDNG EGITIFRPLH LANKFEDKTV AYTEKKMTSG KIKKFIQDSI FGLCPHMTED NKDLIQGKDL LTAYYDV DYE KNAKGSNYWR NRVMMVAKKF LDAGHKLNFA VASRKTSHE LSDFGLESTT GEVPVVAIRT AKGEKFVMQE EFSRDGKALE QFLQEYFDGN LKRYLKSEPI PESNEGPVKV VVAENFDDIV NEEDKDV LIE FYAPWCGHCK NLEPKYKELG EKLSKDPNIV IAKMDATAND VPSPYEV- KGF PTIYFSPANK KLTPKKYEGG RELNDFISYL QREATNPPII QEEKPKKKKK AQEDL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colourless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	PDIA3 protein solution (1mg/ml) containing 20 mM Tris-HCl buffer (pH8.0), 1mM DTT, 0.1M NaCl and 10% glycerol . Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is >15 A650/cm/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650nm resulting from the reduction of insulin.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**