

# Human PDIA6 Recombinant Protein



RPPB2088

---

## Product Information    Protein Information

**Product SKU:**

RPPB2088

**Accession:**

Q15084

**Host:**

Escherichia Coli.

**Protein description:**

PDIA6 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 442 amino acids (20-440 a.a.) and having a molecular mass of 48.5kDa. The PDIA6 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

Protein disulfide-isomerase A6, Endoplasmic reticulum protein 5, ER protein 5, ERp5, Protein disulfide isomerase P5, Thioredoxin domain-containing protein 7, PDIA6, ERP5, P5, TXNDC7.

**Formulation:**

The PDIA6 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 2mM DTT and 50mM NaCl.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Stability:**

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.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MLYSSDDVI ELTPSNFNRE VIQSDSLWLWV EYAPWCGHC QRLTPEWKKA  
ATALKDVVKV GAVDADKHHS LGGQYGVQGF PTIKIFGSNK NRPEDYQGGR TGEAIVDAAL SALRQLVKDR  
LGGRSGGYSS GKQGRSDSSS KKDVIELTDD SFDKNVLDSE DVWVMVEFYAP WCGHCKNLEP EWAAAASEVK  
EQTKGKVKLA AVDATVNQVL ASRYGIRGFP TIKIFQKGES PVDYDGGTR SDIVSRALDL FSDNAPPEL  
LEIINEDIAK RTCEEHQLCV VAVLPHILDT GAAGRNSYLE VLLKLADKYK KKMWGWLWTE AGAQSELETA  
LGIGGFGYPA MAAINARKMK FALLKGSFSE QGINEFLREL SFGRGSTAPV GGGAFPTIVE REPWDGRDGE  
LPVEDDIDLS DVELDDLKGD EL.

**Biological Activity:**

Specific activity > 20 A650/cm/min/mg. Enzymatic activity was confirmed by measuring the aggregation of INS in the presence of DTT.