

PDIA6, 20-440aa, Human, His tag, E.coli

Cat.NO.: TP03331

3th Edition

Synonyms:ERP5, P5, TXNDC7

Description:PDIA6 is a member of the protein disulfide isomerase (PDI). PDI is an enzyme in the endoplasmic reticulum in eukaryotes or periplasmic space of prokaryotes that catalyzes the formation and breakage of disulfide bonds between cysteine residues within proteins as they fold. PDIA6 function as a chaperone that inhibits aggregation of misfolded proteins. It plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin. Recombinant human PDIA6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing, 50mM NaCl, 2mM DTT and 10% glycerol

Molecular Weight:48.5 kDa (442aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMLYSSSDVIELTPSNFNREVIQSDSLWLVEFYAPWCGHCQRLTPEWKKAAATALK
DVVKVGAVDADKHHS LGGQYGVQGFPTIKIFGSNKNRPEDYQGGRTGEAIVDAALSALRQLVKDRLGGRSGGYSS
GKQGRSDSSSKKDVIELTDDSFDKNVLDS EDVWMVEFYAPWCGHCCKNLEPEWAAAASEVKEQTKGKVKLAAVDA
TVNQVLASRYGIRGFPTIKIFQKGESPVYDGGRTSRDIVSRALDLFSDNAPPELLEIINEDIAKRTCEEHQLCVVAV
LPHILDTGAAGRNSYLEVLLKLADKYKKMVGWLWTEAGAQSELETALGIGGFGYPAMAAINARKMKFALLKGSFS
EQGINEFLRELSFGRGSTAPVGGGAFPTIVEREPWDGRDGELPVEDDIDLSDVELDDLKDEL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.