

PNPT1, 46-783aa, Human, His tag, E.coli

Cat.NO.: TP03449

3th Edition

Synonyms: Polyribonucleotide nucleotidyltransferase 1, COXPD13, DFNB70, old-35, OLD35, PNPASE

Description: PNPT1 also known as polyribonucleotide nucleotidyltransferase 1. This enzyme is predominantly localized in the mitochondrial intermembrane space and is involved in import of RNA to mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency-13 and autosomal recessive nonsyndromic deafness-70. Related pseudogenes are found on chromosomes 3 and 7. Recombinant human PNPT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight: 83.3kDa (761aa)

Sequences:

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MGSSHHHHHSSGLVPRGSHMGS AVAVDLGNRKLEISSGKLARFADGSAVVQSGDTAVMVTAVSKTKPSPSQFM
PLVVDYRQKAAAAGRIPTNYLRREIGTSDKEILTSRIIDRSIRPLFPAGYFYDTQVLCNLLAVDGVNEPDVLAINGASV
ALSLS DIPWNGPVGAVRIGIIDGEYVVNPTRKEMSSSTLNLVVAGAPKSQIVMLEASAENILQQDFCHAIKVGVKYTQ
QIIQGIQQLVKETGVTKRTPQKLFTPSPEIVKYTHKLAMERLYAVFTDYEHDKVS RDEAVNKIRLDTEEQ LKEKFPEA
DPYEIIESFNVAKEVFRSIVLNEYKRC DGRDLTSLRNVSCEVDMFKTLHGSA LFQRGQTQVLC TVTFDSLESGIKS
DQVITAINGIKDKNFMLHYEFPPYATNEIGKVTGLNRRELGHGALAEKALYPVIPRDFPFTIRVTSEVLE SNGSSMA
SACGGSLALMDSGVPISAVAGVAIGLVTKTDPEKGEIEDYRLLTDILGIEDYNGDMDFKIAGTNKGITALQADIKLPGI
PIKIVMEAIQQASVAKKEILQIMNKTISKPRASRKENG PVVETVQVPLSKRAK FVGPGGYNLKKLQAETGVTISQVDE
ETFSVFAPTPSAMHEARDFITEICKDDQEQQLEFGAVYTATITEIRDTGVMVKLYPNMTAVLLHNTQLDQRKIKHPTA
LGLEVGQEIQVKYFGRDPADGRMRLSRKVLQSPATTVVRTL NDRSSIVMGEPISQSSSNSQ
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Purity: > 95% by HPLC

Concentration: 0.25 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.