

32-6891: PNPT1 Human

Alternative Name :

Polyribonucleotide Nucleotidyltransferase 1, Polynucleotide Phosphorylase-Like Protein, Polynucleotide Phosphorylase 1, 3-5 RNA Exonuclease OLD35, PNPase Old-35, EC 2.7.7.8, PNPase 1, COXPD13, DFNB70, PNPASE, OLD35, Polyribonucleotide Nucleotidyltransferase 1, Mitochondrial, Deafness, Autosomal Recessive 70, Polynucleotide Phosphorylase, 3-5 RNA Exonuclease, EC 2.7.7, Old-35, Polyribonucleotide nucleotidyltransferase 1, mitochondrial, 3'-5' RNA exonuclease OLD35, PNPase old-35.

Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

Polyribonucleotide nucleotidyltransferase 1, also known as PNPT1 is predominantly localized in the mitochondrial intermembrane space and is implicated in the import of RNA to mitochondria. Mutations in PNPT1 have been connected with combined oxidative phosphorylation deficiency-13 as well as autosomal recessive nonsyndromic deafness-70. Related pseudogenes have been found on chromosomes 3 & 7.

PNPT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 761 amino acids (46-783 a.a) and having a molecular mass of 83.3kDa. PNPT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : PNPT1 protein solution (0.25mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.

Storage condition : 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 : MGSSHHHHHH SSGLVPRGSH MGSAAVAVDLG NRKLEISSGK LARFADGSAV VQSGDTAVMV TAVSKTKPSP SQFMPLVVDY RQKAAAAGRI PTNYLRREIG TSDKEILTSR IIDRSIRPLF PAGYFYDTQV LCNLLAVDGV NEPDVLAING ASVALSLSDI PWNGPVGAVR IGIIDGEYVV NPTRKEMSSS TLNLVVAGAP KSQIVMLEAS AENILQQDFC HAIKVGVKYT QQIIQGIQQL VKETGVTKRT PQKLFTPSPE IVKYTHKLAM ERLYAVFTDY EHDKVS RDEA VNKIRLDTEE QLKEKFPEAD PYEIIIESFNV VAKEVFRSIV LNEYKRC DGR DLTSLRNVSC EVD MFKTLHG SALFQRGQTQ VLCTVTFDSL ESGIKSDQVI TAINGIKDKN FMLHYEFPY ATNEIGKVTG LNRRELGHGA LAEKALYPVI PRDFPFTIRV TSEVLESNGS SSMASACGGS LALMDSGVPI SSAVAGVAIG LVTKTDPK EGI EIEDYRLLTD ILGIEDYNGD MDFKIAGTNK GITALQADIK LPGIPIKIVM EAIQQASVAK KEILQIMNKT ISKPRASRKE NGPVVETVQV PLSKRKAFVG PGGYNLKKLQ AETGVTISQV DEETFSVFAP TPSAMHEARD FITEICKDDQ EQQLEFGAVY TATITEIRDT GVMVKLYPNM TAVLLHNTQL DQRKIKHPTA LGLEVGQEIQ VKYFGRDPAD GRMRLSRKVL QSPATTVVRT LNDRSSIVMG EPISQSSNS Q.