

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 RQAAAAAGRI PTNYLRREIG TSDKEILTSR IIDRSIRPLF PAGYFYDTQV
LCNLLAVDGV NEPDVLAING ASVALSLSDI PWNGPVGAVR IGIIDGEYVV NPTRKEMSSS TLNLVVAGAP
KSQIVMLEAS AENILQQDFC HAIKVGKYT QQIIQGIQQL VKETGVTKRT PQKLFTPSPE IVKYTHKLAM
ERLYAVFTDY EHDKVSDEA VNKIRLDTEE QLKEKFPEAD PYEIESFNV VAKEVFRSIV LNEYKRCDDR
DLTSLRNVSC EVD MFKTLHG SALFQRGQTQ VLCTVTFDSL ESGIKSDQVI TAINGIKDKN FMLHYEPPY
ATNEIGKVTG LNRRELGHGA LAEKALYPVI PRDFPFTIRV TSEVLESNGS SSMASACGGS LALMDSGVPI
SSAVAGVAIG LVTKTDPKGG EIEDYRLLTD ILGIEDYNGD MDFKIAGTNK GITALQADIK LPGIPIKIVM
EAIQQASVAK KEILQIMNKT ISKPRASRKE NGPVVETVQV PLSKRKFVG PGGYNLKKLQ AETGVTISQV
DEETFSVFAP TPSAMHEARD FITEICKDDQ EQQLEFGAVY TATITEIRDT GVMVKLYPNM TAVLLHNTQL
DQRKIKHPTA LGLEVQGEIQ VKYFGRDPAD GRMRLSRKVL QSPATTVVRT LNDRSSIVMG EPISQSSNS
Q.