

PNPT1 recombinant protein

PNPT1, 46-783aa, Human, His tag, E Coli

CATALOG # AAA48902	HOST E Coli	APPLICATIONS SDS-Page
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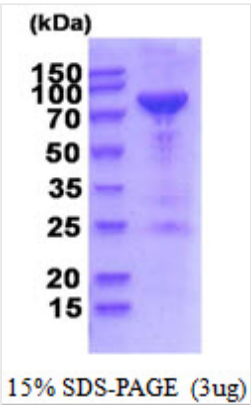
PRODUCT SYNONYMS

PNPT1; 46-783aa; Human; His tag; E Coli; Polyribonucleotide nucleotidyltransferase 1; COXPD13; DFNB70; old-35; OLD35; PNPASE; PNPT1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH 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 EHDKVSDEA VNKIRLDTEE QLKEKFPEAD PYEIESFNV VAKEVFRSIV LNEYKRCDCR DLTSLRNVSC EVD MFKTLHG SALFQRGQTQ VLCTVTFDSL ESGIKSDQVI TAINGIKDKN FMLHYEFPY ATNEIGKVTG LNRRELGHGA LAEKALYPVI PRDFPFTIRV TSEVLESNGS SSMASACGGS LALMDSGVPI SSAVAGVAIG LVTKTDPEKG EIEDYRLLTD ILGIEDYNGD MDFKIAGTNK GITALQADIK LPGIPIKIVM EAIQQASVAK KEILQIMNKT ISKPRASRKE NGPVVETVQV PLSKRAKFGV PGGYNLKKLQ AETGVTISQV DEETFSVFAP TPSAMHEARD FITEICKDDQ EQQLEFGAVY TATITEIRDT GVMVKLYPNM TAVLLHNTQL DQRKIKHPTA LGLEVQGEIQ VKYFGRDPAD GRMRLSRKVL QSPATTVVRT LNDRSSIVMG EPISQSSNS Q
Sequence Length	783
Applicable Applications for PNPT1 recombinant protein	SDS-PAGE
Tag Information	His-tag
Domain	46-783aa
Preparation and Storage	Can be stored at 2-8 degree C for one week. For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for PNPT1 recombinant protein	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.
Product Categories/Family for PNPT1 recombinant protein	Epigenomics (Transcription & Translation)
References	Leszczyniecka M., et al. (2002) Proc. Natl. Acad. Sci. u.S.A. 99:16636-16641; Sarkar D., et al. (2003) J. Biol. Chem. 278:24542-24551;

NCBI AND UNIPROT INFORMATION

NCBI GI #	188528628
NCBI GeneID	87178
NCBI Accession #	NP_149100
NCBI GenBank Nucleotide #	NM_033109.4
UniProt Accession #	Q8TCS8; Q53SU0; Q68CN1; Q7Z7D1; Q8IWX1; Q96T05; Q9BRU3; Q9BVX0
Molecular Weight	83.3kDa (761aa)
NCBI Official Full Name	polyribonucleotide nucleotidyltransferase 1, mitochondrial
NCBI Official Synonym Full Names	polyribonucleotide nucleotidyltransferase 1
NCBI Official Symbol	PNPT1
NCBI Official Synonym Symbols	OLD35; DFNB70; PNPASE; old-35; COXPD13
NCBI Protein Information	polyribonucleotide nucleotidyltransferase 1, mitochondrial
UniProt Protein Name	Polyribonucleotide nucleotidyltransferase 1, mitochondrial
UniProt Gene Name	PNPT1
UniProt Synonym Gene Names	PNPASE; PNPase 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pnpt1-recombinant-protein-e-coli-sds-page/48902>