

## Product datasheet for **AR51844PU-N**

### PNPT1 (46-783, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PNPT1 (46-783, His-tag) human recombinant protein, 0.1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MGSAAVAVDLG NRKLEISSGK LARFADGSAV VQSGDTAVMV TAVSKTKPSP SQFMPLVVDY RQKAAAAGRI PTNYLRREIG TSDKEILTSR IIDRSIRPLF PAGYFYDTQV LCNLLAVDGV NEPDVLAING ASVALSLSDI PWNGPVGAVR IGIIDGEYVW NPTRKEMSSS TLNLVAGAP KSQIVMLEAS AENILQQDFC HAIKVGVKYT QQIIQGIQQL VKETGVTKRT PQKLFTPSPE IVKYTHKLAM ERLYAVFTDY EHDKVS RDEA VNKIRLDTEE QLKEKFPEAD PYEIIESFNV VAKEVFRSIV LNEYKRC DGR DLTSLRNVSC EVD MFKTLHG SALFQRGQTQ VLCTVTFDSL ESGIKSDQVI TAINGIKDN 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 TATITEIRD T GVMVKLYPNM TAVLLHNTQL DQRKIKHPTA LGLEVGQEIQ VKYFGRDPAD GRMRLSRKVL QSPATTWVRT LNDRSSIVMG EPISQSSNS Q
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	83.3 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PNPT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_149100</a>
Locus ID:	87178
UniProt ID:	<a href="#">Q8TCS8</a>
Cytogenetics:	2p16.1
Synonyms:	COXPD13; DFNB70; old-35; OLD35; PNPASE
Summary:	The protein encoded by this gene belongs to the evolutionary conserved polynucleotide phosphorylase family comprised of phosphate dependent 3'-to-5' exoribonucleases implicated in RNA processing and degradation. 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. [provided by RefSeq, Dec 2012]
Protein Pathways:	Purine metabolism, Pyrimidine metabolism, RNA degradation

### Product images:

