

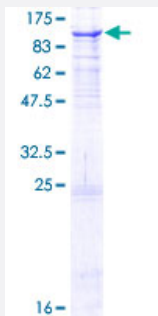
Full-Length

PNPT1 (Human) Recombinant Protein (P01)

Catalog # H00087178-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PNPT1 full-length ORF (NP_149100.1, 1 a.a. - 783 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAACRYCCSCLRLRPLSDGPFLPRRDRLTQLQVRALWSSAGSRAVAVDLGNRKLEISSGKLA
RFADGSAVVQSGDTAVMVTAVSKTKPSPSQFMPLVVDYRQKAAAAGRIPTNYLRREVGTSDEIL
TSRIIDRSIRPLFPAGYFYDTQVLCNLLAVDGVNEPDVLAINGASVALSLSDIPWNGPVGAVRIGIIDG
EYVVPNTRKEMSSSTLNLVAGAPKSQVMMLEASAENILQQDFCHAIKVGKVTQQIIQGIQQLVKE
TGVTKRTPQKLFTPSPEIVKYTHKLAMERLYAVFTDYEHDKVSRDEAVNKIRLDTEEQLEKEFPEA
DPYEIIIESFNVVAKEVFRSMLNEYKRC DGRDLTSLRNVSCVDMFKTLHGSALFQRGQTQVLCTV
TFDSLESGIKSDQVITAINGIKDNFMLHYEFPPYATNEIGKVTGLNRRELGHGALAEKALYPVIPRD
FPFTIRVTSEVLENGSSSMASACGGSALMDSGVPISSAVAGVAIGLVTKTDPEKGEIEDYRLLT
DILGIEDYNGDMDFKIAGTNKGITALQADIKLPGIPIKIVMEAIQQASVAKKEILQIMNKTISKPRASRKE
NGPVVETVQVPLSKRAKFVGGGYNLKKLQAETGVTISQVDEETFSVFAPTPSAMHEARDFITEIC
KDDQEQQLFEGAVYTATITEIRD TGVMVKLYPNMTAVLLHNTQLDQRKIKHPTALGLEVGQEIQVKY
FGRDPADGRMRLSRKVLQSPATTVVRTLNDRSSVMGEPISQSSSNSQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

112.3

Interspecies Antigen Sequence

Mouse (91); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PNPT1

Entrez GeneID	87178
GeneBank Accession#	NM_033109.2
Protein Accession#	NP_149100.1
Gene Name	PNPT1
Gene Alias	DKFZp762K1914, OLD35, PNPASE, old-35
Gene Description	polyribonucleotide nucleotidyltransferase 1
Omim ID	610316
Gene Ontology	Hyperlink
Gene Summary	PNPT1 is a subunit of the exosome complex, which is involved in 3-prime-to-5-prime exoribonuclease activity for RNA processing and degradation (Raijmakers et al., 2002 [PubMed 12419256]). [supplied by OMIM]
Other Designations	3'-5' RNA exonuclease polynucleotide phosphorylase polynucleotide phosphorylase-like

Pathway

- [Purine metabolism](#)
- [Pyrimidine metabolism](#)
- [RNA degradation](#)

Disease

- [Diabetes Mellitus](#)
- [Multiple Sclerosis](#)