

Active Recombinant Full Length Human PNP Protein, His tagged

Cat. No. PNP-2872H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PNP protein (1-289aa), fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques
Species	Human
Source	E.coli
ProteinLength	1-289aa
Description	Catalyzes the phosphorolytic breakdown of the N-glycosidic bond in the beta-(deoxy)ribonucleoside molecules, with the formation of the corresponding free purine bases and pentose-1-phosphate.
Form	Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 2mM DTT, 10% glycerol
Bio-activity	Specific activity is > 120 unit/mg, and is defined as the amount of enzyme that phosphorolysis of 1.0 μmole of inosine with inorganic phosphate per minute at pH 7.5 at 25 centigrade.
Molecular Mass	34.2 kDa (309aa) confirmed by MALDI-TOF
AASequence	MENGYTYEDYKNTAEWLLSHTKHRPQVAIICGSLGGLTDKLTQAQIFDYGEIPNFP RSTVPGHAGRLVFGFLNGRACVMMQGRFHMIEGYPLWKVTFPVRVFHLLGVDTLV

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VTNAAGGLNPKFEVGDIMLIRDHINLPGFSGQNPLRGPNDERFGDRFPAMSDAYDR
TMRQRALSTWKQMGEQRELQEGTYVMVAGPSFETVAECRVLQKLGADAVGMSTV
PEVIVARHCGLRVFGFSLITNKVIMDYESLEKANHEEVLAAGKQAAQKLEQFVSILMA
SIPLPKAS

Purity > 90% by SDS-PAGE

Applications SDS-PAGE, Enzyme Activity

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/mL (determined by Bradford assay)

GENE INFORMATION

Gene Name PNP purine nucleoside phosphorylase [Homo sapiens (human)]

Official Symbol PNP

Synonyms PNP; purine nucleoside phosphorylase; NP, nucleoside phosphorylase; PUNP; inosine phosphorylase; purine-nucleoside:orthophosphate ribosyltransferase; NP; PRO1837; FLJ94043; FLJ97288; FLJ97312; MGC117396; MGC125915; MGC125916

Gene ID 4860

mRNA Refseq NM_000270

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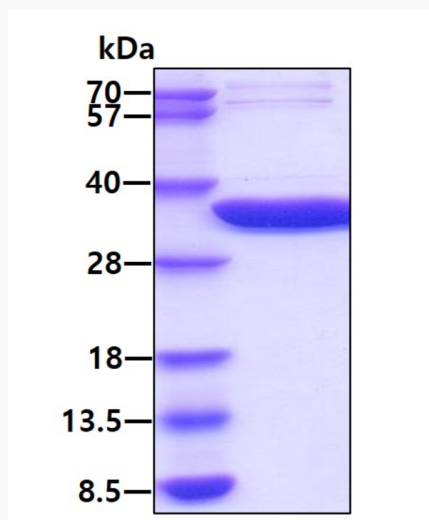
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Protein Refseq NP_000261

MIM 164050

UniProt ID P00491

SDS-PAGE



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

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