

Active Recombinant Full Length Human PNP Protein, C-Flag-tagged

Cat. No. PNP-715HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PNP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an enzyme which reversibly catalyzes the phosphorolysis of purine nucleosides. The enzyme is trimeric, containing three identical subunits. Mutations which result in nucleoside phosphorylase deficiency result in defective T-cell (cell-mediated) immunity but can also affect B-cell immunity and antibody responses. Neurologic disorders may also be apparent in patients with immune defects. A known polymorphism at aa position 51 that does not affect enzyme activity has been described. A pseudogene has been identified on chromosome 2.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	WB standard
Molecular Mass	31.9 kDa
AA Sequence	MENGYTYEDYKNTAEWLLSHTKHRPQVAIICGSLGGLTDKLTQAQIFDYGEIPNFP RSTVPGHAGRLVF GFLNGRACVMMQGRFHMVYEGYPLWKVTFPVRVFHLLGVDTL VVTNAAGGLNPKFEVGDIMLIRDHINLPG FSGQNPLRGPNDERFGDRFPAMSDAYD

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RTMRQRALSTWKQMGEQRELQEGTYVMVAGPSFETVAECRVLQ KLGADAVGMST
VPEVIVARHCGLRVFGFSLITNKVIMDYESLEKANHEEVLAAGKQAAQKLEQFVSILM
A
SIPLPDKASTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Stem cell - Pluripotency
Protein Pathways	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
Full Length	Full L.

GENE INFORMATION

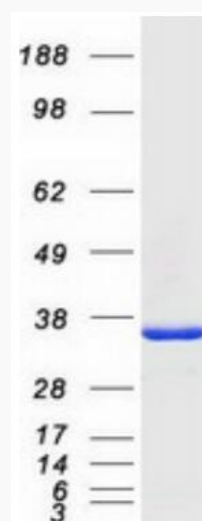
Gene Name	PNP purine nucleoside phosphorylase [Homo sapiens (human)]
Official Symbol	PNP
Synonyms	NP; PUNP; PRO1837

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Gene ID	4860
mRNA Refseq	NM_000270.4
Protein Refseq	NP_000261.2
MIM	164050
UniProt ID	P00491



Coomassie blue staining of purified PNP protein.