

Recombinant Human NP Protein, GST-tagged

Cat. No. NP-6012H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NP full-length ORF (NP_000261.1, 1 a.a. - 289 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	58.5 kDa
AA Sequence	MENGYTYEDYKNTAEWLLSHTKHRPQVAIICGSGLGGLTDKLTQAQIFDYGEIPNFP RSTVPGHAGRLVFGFLNGRACVMMQGRFHMVEGYPLWKVTFPVRVFHLLGVDTLV VTNAAGGLNPKFEVGDIMLIRDHINLPGFSGQNPLRGPNDERFGDRFPAMSDAYDR TMRQRALSTWKQMGEQRELQEGTYVMVAGPSFETVAECRVLQKLGADAVGMSTV PEVIVARHCGLRVFGFSLITNKVIMDYESLEKANHEEVLAAGKQAAQKLEQFVSILMA SIPLPKAS

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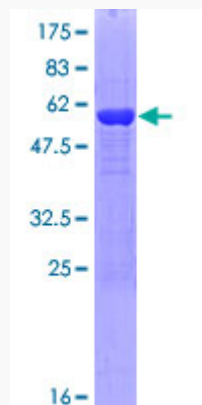
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	PNP purine nucleoside phosphorylase [Homo sapiens (human)]
Official Symbol	NP
Synonyms	PNP; purine nucleoside phosphorylase; NP; PUNP; PRO1837; purine nucleoside phosphorylase; HEL-S-156an; epididymis secretory sperm binding protein Li 156an; inosine phosphorylase; inosine-guanosine phosphorylase; purine-nucleoside:orthophosphate ribosyltransferase; EC 2.4.2.1
Gene ID	4860
mRNA Refseq	NM_000270
Protein Refseq	NP_000261
MIM	164050
UniProt ID	P00491

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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