

Product datasheet for **AR09725PU-N**

NP (1-289, His-tag) Human Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | NP (1-289, His-tag) human recombinant protein, 0.1 mg |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MENGYTYEDY KNTAEWLLSH TKHRPQVAII CGSGLGGLTD KLTQAQIFDY GEIPNFPRST VPGHAGRLVF GFLNGRACVM MQGRFHMVEG YPLWKVTFPV RVFHLLGVDT LVVTNAAGGL NPKFEVGDIM LIRDHINLPG FSGQNPLRGP NDERFGDRFP AMSDAYDRTM RQRALSTWKQ MGEQRELQEG TYVMVAGPSF ETVAECRVLQ KLGADAVGMS TVPEVIVARH CGLRVFGFSL ITNKVIMDYE SLEKANHEEV LAAGKQAAQK LEQFVSILMA SIPLPKAS |
| Tag: | His-tag |
| Predicted MW: | 43.2 kDa |
| Concentration: | lot specific |
| Purity: | >90% |
| Buffer: | Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 2 mM DTT, 10% glycerol |
| Preparation: | Liquid purified protein |
| Protein Description: | Recombinant human PNP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Storage: | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| RefSeq: | <u>NP_000261</u> |
| Locus ID: | 4860 |
| UniProt ID: | <u>P00491</u> , <u>V9HWH6</u> |
| Cytogenetics: | 14q11.2 |
| Synonyms: | NP; PRO1837; PUNP |



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Summary:

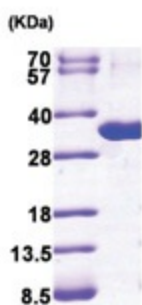
This gene encodes an enzyme which reversibly catalyzes the phosphorolysis of purine nucleosides. The enzyme is trimeric, containing three identical subunits. Mutations which result in nucleoside phosphorylase deficiency result in defective T-cell (cell-mediated) immunity but can also affect B-cell immunity 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, Jul 2008]

Protein Families:

Druggable Genome, Stem cell - Pluripotency

Protein Pathways:

Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

Product images:

15% SDS-PAGE (3ug)