

Recombinant Human Purine nucleoside phosphorylase(PNP)

Catalog No: #AP71104

Package Size: #AP71104-1 20ug #AP71104-2 100ug #AP71104-3 1mg

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Description

Product Name	Recombinant Human Purine nucleoside phosphorylase(PNP)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-289aaSequence Info:Full Length
Other Names	Inosine phosphorylasenosine-guanosine phosphorylase
Accession No.	P00491
Calculated MW	48.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MENGYTYEDYKNTAEWLLSHTKHPQVAICGSLGGLTDKLTQAQIFDYGEIPNFPSTVPGHAGRLVFGFL NGRACVMMQGRFHMIEGYPLWKVTFPVRVFHLLGVDTLVVTNAAGGLNPKFEVGDIMLIRDHINLPGFSGQN PLRGPNDERFGDRFPAMSDAYDRTMRQALSTWKQMGEQRELQEGTYVMVAGPSFETVAECRVLQKLGAD AVGMSTVPEVIVARHCGLRVFGFSLITNKVIMDYESLEKANHEEVLAAGKQAAQKLEQFVSILMASIPLPKAS
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

The purine nucleoside phosphorylases catalyze 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.

References

Human purine nucleoside phosphorylase cDNA sequence and genomic clone characterization.Williams S.R., Goddard J.M., Martin D.W. Jr.Nucleic Acids Res. 12:5779-5787(1984)Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.