Purine Nucleoside Phosphorylase (PNP) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Purine nucleoside phosphorylase (Pnp), Recombinant Protein
Full Product Name	Recombinant Mouse Purine nucleoside phosphorylase (Pnp)
Product Gene Name	Pnp recombinant protein
Sequence	MENEFTYEDY ETTAKWLLQH TEYRPQVAVI CGSGLGGLTA HLKEAQIFDY NEIPNFPQST VQGHAGRLVF GLLNGRCCVM MQGRFHMYEG YSLSKVTFPV RVFHLLGVET LVVTNAAGGL NPNFEVGDIM LIRDHINLPG FCGQNPLRGP NDERFGVRFP AMSDAYDRDM RQKAFTAWKQ MGEQRKLQEG TYVMLAGPNF ETVAESRLLK MLGADAVGMS TVPEVIVARH CGLRVFGFSL ITNKVVMDYE NLEKANHMEV LDAGKAAAQT LERFVSILME SIPLPDRGS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	32,277 Da
Sequence Positions	1-7, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P23492
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Pnp recombinant protein	MBS1162905 is a recombinant protein targeting Pnp. Also known as Recombinant Mouse Purine nucleoside phosphorylase (Pnp). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Pnp recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Pnp. It may not necessarily be applicable to this product.

NCBI GI #	7305395
NCBI GeneID	18950
NCBI Accession #	NP_038660.1
UniProt Primary Accession #	P23492
UniProt Secondary Accession #	Q4FJT6
UniProt Related Accession #	P23492

GenBank Nucleotide #	NM_013632.4
NCBI Official Full Name	purine nucleoside phosphorylase
NCBI Official Synonym Full Names	purine-nucleoside phosphorylase
NCBI Official Symbol	Pnp
NCBI Official Synonym Symbols	Np; Np-1; Np-2; Pnp1; AL024301; AU015798
UniProt Protein Name	Purine nucleoside phosphorylase
UniProt Synonym Protein Names	Inosine phosphorylase; Inosine-guanosine phosphorylase
Protein Family	Polyribonucleotide nucleotidyltransferase
UniProt Gene Name	Pnp
UniProt Synonym Gene Names	Np; Pnp1; PNP
NCBI Protein Information	purine nucleoside phosphorylase
UniProt Comments for Pnp	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.
Research Articles on Pnp	**1.** PNP deficiency causes cerebellar abnormalities, including Purkinje cell damage and progressive motor deficits.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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