

Active Recombinant Bacterial Purine nucleoside phosphorylase, His tagged

Cat. No. PNP-10B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant from E. coli, purified by heat treatment and His6-Tag affinity chromatography. Produced and sold for research purposes and in vitro use only. The purine nucleoside phosphorylase is of bacterial origin and thermostable up to 60 centigrade.
Species	Bacterial
Source	E.coli
Description	Purine nucleoside phosphorylases catalyze the reversible phosphorolytic breakdown of the N-glycosidic bond of (deoxy-) ribonucleosides, with the formation of the corresponding free purine base and pentose-1-phosphate. A double desalted, almost phosphate free version is available for application in phosphate detection assays such as the MESG assay.
Form	Liquid, buffered
Molecular Mass	27.5 kDa
Storage	4 centigrade
EC No.	2.4.2.1
CAS No.	9030-21-1

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Catalyzed reaction(s)	(1) purine ribonucleoside + phosphate = purine + α -D-ribose 1-phosphate (2) purine 2'-deoxyribonucleoside + phosphate = purine + 2-deoxy- α -D-ribose 1-phosphate
Example reaction conditions	N/A Please note that optimal reaction conditions - especially reaction time and/or enzyme concentration - may vary depending on the substrate.
Other characteristics	Thermostable up to 60 centigrade

GENE INFORMATION

Official Symbol	PNP
Synonyms	PNP; PNPase; Pu-NPase; PUNP; NP; adenosine phosphorylase; inosine-guanosine phosphorylase; purine-nucleoside:phosphate ribosyltransferase

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