

Active Recombinant Archaeal Purine nucleoside phosphorylase, His tagged

Cat. No. PNP-11A **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 archaeal origin and thermostable up to 80 centigrade.
Species	Archaeal
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.
Form	Liquid, buffered
Molecular Mass	26.7 kDa
Storage	4 centigrade
EC No.	2.4.2.1
CAS No.	9030-21-1
Catalyzed reaction(s)	(1) purine ribonucleoside + phosphate = purine + α-D-ribose 1-phosphate (2) purine

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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 80 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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