

Active Recombinant E.coli Purine nucleoside phosphorylase, His tagged

Cat. No. PNP-15E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The purine nucleoside phosphorylase is a mesophilic enzyme originating from Escherichia coli. Recombinant from E. coli, purified by His6-Tag affinity chromatography. Produced and sold for research purposes and in vitro use only.
Species	E.coli
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	27.3 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 2'-deoxyribonucleoside + phosphate = purine + 2-deoxy-α-D-ribose 1-phosphate

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Example reaction conditions	N/A Please note that optimal reaction conditions - especially reaction time and/or enzyme concentration - may vary depending on the substrate.
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Other characteristics	Mesophilic
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GENE INFORMATION

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