

Recombinant Human PNKP protein, His-tagged

Cat. No. PNKP-3964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PNKP protein(171-521 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	171-521 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	DLDGTLITTRSGKVFPTGPSDWIRILYPEIPRKLRELEASEGYKLVIFTNQMSIGRGKLPA EEFKAKVEAVVEKLGVPFQVLVATHAGLYRKPVGTGMWDHLQEQAANDGTPISIGDSIF VGDAAGR PANWAPGRKKKDFSCADRLFALNLGLPFATPEEFFLKWPAAGFELPAFD PRTVSRSGPLCLPESRALLSASPEVVAVGFPAGAGKSTFLKKHLVSAGYVHVNRDTL GSWQRCVTT CETALKQGKRVAIDNTNPDAASRARYVQCARAAGVPCRCFLFTATLE QARHNNRFREMTDSSHIPVSDMVMYGYRKQFEAPTLAEGFSAILEIPFRLWVEPRL GRLYCQFSEG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name PNKP polynucleotide kinase 3-phosphatase [Homo sapiens]

Official Symbol PNKP

Synonyms

PNKP; polynucleotide kinase 3-phosphatase; bifunctional polynucleotide phosphatase/kinase; PNK; DNA 5-kinase/3-phosphatase; Homo sapiens polynucleotide kinase 3-phosphatase (PNKP); MCSZ; EIEE10;

Gene ID 11284

mRNA Refseq NM_007254

Protein Refseq NP_009185

MIM 605610

UniProt ID Q96T60

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