

Product datasheet for TP307551

PNK (PNKP) (NM_007254) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human polynucleotide kinase 3'-phosphatase (PNKP), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207551 protein sequence Red=Cloning site Green=Tags(s)

MGEVEAPGRLWLESPPGGAPPFILPSDGQALVLGRGPLTQVTRKCSRTQVELVADPETRTVAVKQLGVN
PSTTGTQELKPGLEGSLGVGDTLYLVNGLHPLTLRWEETRTPEQPDTPPGTPLVSQDEKRDAELPKKRM
RKSNGWENLEKLLVFTAAGVKPQGKVAGFDLDGTLITRSGKVFPTGPSDWRIPEIPRKLRELEAEG
YKLVIFTNQMSIGRGKLPAAEFKAKVEAVEKLGVPFQVLVATHAGLYRKPVTGMWDHLQEANDGTPIS
IGDSIFVGDAAGRANWAPGRKKKDFSCADRLFALNLGLPFATPEEFFLKWPAAGFELPAFDPRTVSRSG
PLCLPESRALLSASPEVWVAVGFPAGKSTFLKKHLVSAGYVHVNRDNLGWSWQRCVTTTETALKQGKRVA
IDNTNPDAASRARYVQCARAAGVPCRCFLFTATLEQARHNNRFREMTDSSHIPVSDMVMYGYRQKFEAPT
LAEGFSAILEIPFRLWVEPRLGRLYCQFSEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	56.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_009185](#)

Locus ID: 11284

UniProt ID: [Q96T60](#)

RefSeq Size: 1721

Cytogenetics: 19q13.33

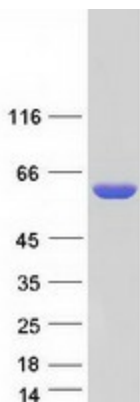
RefSeq ORF: 1563

Synonyms: AOA4; CMT2B2; EIEE10; MCSZ; PNK

Summary: This locus represents a gene involved in DNA repair. In response to ionizing radiation or oxidative damage, the protein encoded by this locus catalyzes 5' phosphorylation and 3' dephosphorylation of nucleic acids. Mutations at this locus have been associated with microcephaly, seizures, and developmental delay.[provided by RefSeq, Sep 2010]

Protein Families: Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified PNKP protein (Cat# TP307551). The protein was produced from HEK293T cells transfected with PNKP cDNA clone (Cat# [RC207551]) using MegaTran 2.0 (Cat# [TT210002]).