

Recombinant Bacteriophage T4 dNMP Kinase

Catalog No.	CSI13755	Quantity:	100 µg
Alternate Names:	Enterobacteria phage T4 deoxynucleotide monophosphate kinase		
Description:	NMP kinases catalyse the phosphorylation of nucleotide monophosphates resulting in the corresponding nucleotide diphosphates by using ATP as a phosphate donor. T4 dNMP kinase is the only member of the family of NMP kinases that recognizes three structurally dissimilar nucleotides: dGMP, dTMP and 5-hydroxymethyl-dCMP (5-OH-dCMP).		
UniProt ID:	P04531		
Gene ID:	1258557		
Source:	<i>E. coli</i>		
Molecular Weight:	27 kDa		
Formulation:	100 mM Tris-HCl, 10 mM MgCl ₂ , pH 7.5 and 50 % glycerol		
Purity:	> 95% by SDS-PAGE		
Specific Activity:	100 U/µg One unit of enzyme catalyses the phosphorylation of 1 nmol dGMP to dGDP per minute at 37°C		
Assay Buffer:	1 µg T4 dNMP kinase, 2 mM ATP, 2 mM dGMP, 10 mM MgCl ₂ in 100 mM Tris-HCl, pH 7.5		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. Avoid freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

