

Recombinant Bacteriophage T4 dNMP Kinase

Catalog No.	CSI13755	Quantity:	100 µg
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).		
Protein Accession No:	AAD42414		
Source:	<i>E. coli</i>		
Formulation:	Liquid in 100 mM Tris-HCl pH 7.5, + 10 mM MgCl ₂ + 50% glycerol.		
Purity:	>95% by SDS-PAGE		
Biological Activity:	One unit of enzyme catalyses the phosphorylation of 1 nmol dGMP to dGDP per minute at 37°C.		
Specific Activity:	100 U/µg.		
Activity Assay:	1 µg T4 dNMP kinase + 2 mM ATP + 2 mM dGMP in 100 mM Tris-HCl pH 7.5, + 10 mM MgCl ₂ .		
Storage & Stability:	Store at -20°C for up to 1 year. Avoid freeze/thaw cycles.		

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

