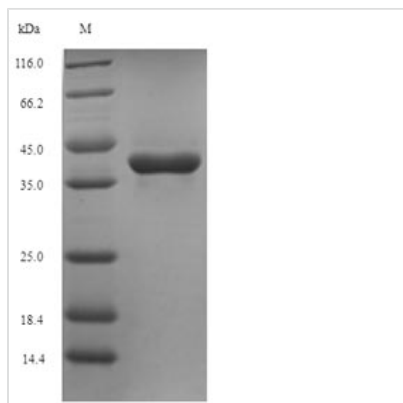


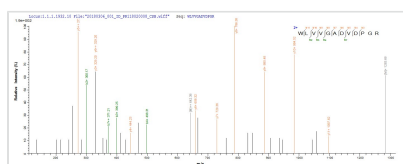


Recombinant Mycobacterium tuberculosis Thymidylate kinase (tmk)

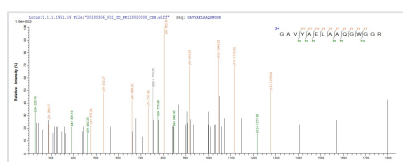
Product Code	CSB-EP007226MVZ
Relevance	Catalyzes the reversible phosphorylation of deoxythymidine monophosphate (dTMP) to deoxythymidine diphosphate (dTDP), using ATP as its preferred phosphoryl donor. Situated at the junction of both de novo and salvage pathways of deoxythymidine triphosphate (dTTP) synthesis, is essential for DNA synthesis and cellular growth
Abbreviation	Recombinant Mycobacterium tuberculosis tmk protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P9WKE0
Alias	Thymidine monophosphate kinase dTMP kinase Short name: TMPK
Product Type	Recombinant Protein
Immunogen Species	Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MLIAIEGVVDGAGKRTLVEKLSGAFRAAGRSVATLAFPRYGQSVAADIAAEALHG EHGDLASSVYAMATLFDLDRAGAVHTIQGLCRGYDVVILDRYVASNAAYSAAR LHENAAGKAAAWVQRIEFARLGLPKPDWQVLLAVSAELAGERSRGRAQRDPG RARDNYERDAELQQRRTGAVYAELAAQGWGGRWL VVGADVDPGRLAATLAPP DVPS
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	tmk
Expression Region	1-214aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	38.6kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP007226MVZ could indicate that this peptide derived from E.coli-expressed Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh) tmk.



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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.