

Recombinant Mycobacterium Tuberculosis TMK Protein (1-214 aa), His-SUMO-tagged

SPECIFICATION

Cat.No.	TMK-1876M
Species	Mycobacterium Tuberculosis
Product Name	Recombinant Mycobacterium Tuberculosis TMK Protein (1-214 aa), His-SUMO-tagged
Product Overview	Recombinant Mycobacterium Tuberculosis (strain CDC 1551/Oshkosh) TMK Protein (1-214 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Description	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
Source	E. coli
Tag	His/SUMO
Form	Tris-based buffer, 50% glycerol
Molecular Mass	38.6 kDa
Protein length	1-214 aa
AA Sequence	MLIAIEGVGDGAGKRTLVEKLSGAFRAAGRSVATLAFPRYGQSVAADIAAEALHGEHGD LASSVYAMATLFLALDRAGAVHTIQGLCRGYDVVILDRYVASNAAYSAARLHENAAGKA AAWVQRIEFARLGLPKPDWQVLLAVSAELAGERSRGRAQRDPGRARDNYERDAELQ QRTGAVYAEALAAQGWGGRWLVGADVDPGRLAATLAPPDVPS
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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

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is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
Synonyms	tmk; Thymidine monophosphate kinase dTMP kinase Short name: TMPK;
UniProt ID	P9WKE0
Figure 1	TMK-1876M, 1.jpg
Figure Note 1	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.