

## Thymidylate kinase Recombinant Protein | tmk recombinant protein

Recombinant Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh) Thymidylate kinase

CATALOG #  
**AAA114360**

HOST  
**E Coli or Yeast or Baculovirus or Mammalian Cell**

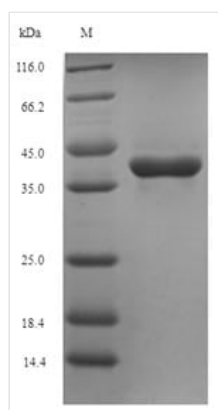
### PRODUCT SYNONYMS

Thymidylate kinase; Recombinant Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh) Thymidylate kinase; Thymidine monophosphate kinase; dTMP kinase; TMPK; tmk recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                          |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                 |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                          |
| Sequence Positions      | 1-214aa; Full Length                                                                                                                                                                                                                      |
| Sequence                | MLIAIEGVDG AGKRTLVEKL SGAFRAAGRS VATLAFPRYG QSVAADIAAE ALHGEHGDLA SSVYAMATLF ALDRAGAVHT IQGLCRGYDV VILDRYVASN AAYSAARLHE NAAGKAAWV QRIEFARLGL PKPDWQVLLA VSAELAGERS RGRAQRDPGR ARDNYERDAE LQQRTGAVYA ELAAQGWGGR WLVGADVDP GRLAATLAPP DVPS |
| Sequence Length         | 214                                                                                                                                                                                                                                       |
| Species                 | Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh)                                                                                                                                                                                    |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                    |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

#### Related Product Information for tmk recombinant protein

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

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for tmk recombinant protein | Epigenetics and Nuclear Signaling                                                                                                                                                                                                                                                                                                                                                     |
| References                                            | "Whole-genome comparison of Mycobacterium tuberculosis clinical and laboratory strains." Fleischmann R.D., Alland D., Eisen J.A., Carpenter L., White O., Peterson J.D., DeBoy R.T., Dodson R.J., Gwinn M.L., Haft D.H., Hickey E.K., Kolonay J.F., Nelson W.C., Umayam L.A., Ermolaeva M.D., Salzberg S.L., Delcher A., Utterback T.R. Fraser C.M. J. Bacteriol. 184:5479-5490(2002) |

NCBI AND UNIPROT INFORMATION

|                            |                                  |
|----------------------------|----------------------------------|
| NCBI GI #                  | 489512187                        |
| NCBI Accession #           | WP_003417036.1                   |
| NCBI GenBank Nucleotide #  | WP_003417036.1                   |
| UniProt Accession #        | P9WKE0; O05891; Q7D5U8; L0TDK8   |
| Molecular Weight           | 38.6 kDa                         |
| NCBI Official Full Name    | MULTISPECIES: thymidylate kinase |
| UniProt Protein Name       | Thymidylate kinase               |
| UniProt Gene Name          | tmk                              |
| UniProt Synonym Gene Names | TMPK                             |
| UniProt Entry Name         | KTHY_MYCTO                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/tmk-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/114360>