Thymidylate Kinase (tmk) Geobacillus Thermodenitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Thymidylate kinase (tmk), Recombinant Protein
Full Product Name	Recombinant Geobacillus thermodenitrificans Thymidylate kinase (tmk)
Product Gene Name	tmk recombinant protein
Product Synonym Gene Name	tmk; GTNG_0023
Product Synonym Names	Thymidylate kinase; EC=2.7.4.9; dTMP kinase
Sequence	MNGYFFSFEG PEGAGKTTMI GKLESFLRER GFDVMVTREP GGVRIAEAIR ALILNREYTE MDGRTEALLY AAARRQHLLE KIVPALEAGR VVLCDRFVDS SLAYQGFARG LGVEEVWKIN EFAIDGYMPS LTVYFDIDPQ IGLERIRQNR EREVNRLDLE TLSFHDKVRE GYRKLAKRFA ERIVVIDASR PLDDVFSETV ATVLSRLEGS KRHFHESNRD DSCWT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	25,801 Da
Sequence Positions	1-225aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A4IJA6
Species	Geobacillus thermodenitrificans (strain NG80-2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tmk recombinant protein	MBS1258138 is a recombinant protein targeting tmk. Also known as Recombinant Geobacillus thermodenitrificans Thymidylate kinase (tmk). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tmk recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for tmk. It may not necessarily be applicable to this product.

NCBI GI #	138893702
NCBI GeneID	4965149
NCBI Accession #	YP_001124155.1
UniProt Primary Accession #	A4IJA6

UniProt Related Accession #	A4IJA6
GenBank Nucleotide #	NC_009328.1
NCBI Official Full Name	thymidylate kinase
NCBI Official Symbol	tmk
UniProt Protein Name	Thymidylate kinase
UniProt Synonym Protein Names	dTMP kinase
Protein Family	Probable thymidylate kinase
UniProt Gene Name	tmk
UniProt Entry Name	KTHY_GEOTN
NCBI Protein Information	thymidylate kinase
UniProt Comments for tmk	Phosphorylation of dTMP to form dTDP in both de novo and salvage pathways of dTTP synthesis.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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