Thymidylate Kinase (tmk) Streptococcus Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Thymidylate kinase (tmk), Recombinant Protein
Full Product Name	Recombinant Streptococcus pneumoniae Thymidylate kinase (tmk)
Product Gene Name	tmk recombinant protein
Sequence	MSKGFLVSLE GPEGAGKTSV LEALLPILEE KGVKVLTTRE PGGVLIGEKI REVILDPSHT QMDAKTELLL YIASRRQHLV EKVLPALEAG KLVIMDRFID SSVAYQGFGR GLDIEAIDWL NQFATDGLKP DLTLYFDIEV EEGLARIAAN SDREVNRLDL EGLDLHKKVR QGYLSLLDKE GNRIVKIDAS LPLEQVVETT KAVLFDGMGL AK
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	23,352 Da
Sequence Positions	1-212, 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 C1CK20
Species	Streptococcus pneumoniae (strain P1031)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tmk recombinant protein	MBS1264311 is a recombinant protein targeting tmk. Also known as Recombinant Streptococcus pneumoniae 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 #	445955533
NCBI Accession #	WP_000033388.1
UniProt Primary Accession #	C1CK20
GenBank Nucleotide #	WP_000033388.1
NCBI Official Full Name	thymidylate kinase
UniProt Protein Name	Thymidylate kinase
UniProt Synonym Protein Names	dTMP kinase

Protein Family	Probable thymidylate kinase
UniProt Gene Name	tmk
UniProt Comments for tmk	Phosphorylation of dTMP to form dTDP in both de novo and salvage pathways of dTTP synthesis.
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