Hydroxyethylthiazole Kinase (thiM) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hydroxyethylthiazole kinase (thiM), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Hydroxyethylthiazole kinase (thiM)
Product Gene Name	thiM recombinant protein
Sequence	MNYLNKIRIE NPLTICYTND VVKNFTANGL LSIGASPAMS EAPEEAEEFY KVAQALLINI GTLTAENEQD IIAIAQTANE AGLPIVFDPV AVGASTYRKQ FCKLLLKSAK VSVIKGNASE ILALIDDTAT MKGTDSDANL DAVAIAKKAY ATYKTAIVIT GKEDVIVQDN KAFVLANGSP LLARVTGAGC LLGGVIAGFL FRETEPDIEA LIEAVSVFNI AAEVAAENEN CGGPGTFSPL LLDTLYHLNE TTYQQRIRIQ EVE
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	28,090 Da
Sequence Positions	1-263 , 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 A6QIT6
Species	Staphylococcus aureus (strain Newman)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for thiM recombinant protein	MBS1261421 is a recombinant protein targeting thiM. Also known as Recombinant Staphylococcus aureus Hydroxyethylthiazole kinase (thiM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of thiM 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 thiM. It may not necessarily be applicable to this product.

NCBI GI #	447031223
NCBI Accession #	WP_001108479.1
UniProt Primary Accession #	A6QIT6
GenBank Nucleotide #	WP_001108479.1
NCBI Official Full Name	MULTISPECIES: hydroxyethylthiazole kinase
UniProt Protein Name	Hydroxyethylthiazole kinase

UniProt Synonym Protein Names	4-methyl-5-beta-hydroxyethylthiazole kinase
Protein Family	Hydroxyethylthiazole kinase
UniProt Gene Name	thiM
UniProt Synonym Gene Names	TH kinase; Thz kinase
UniProt Comments for thiM	Catalyzes the phosphorylation of the hydroxyl group of 4-methyl-5-beta-hydroxyethylthiazole (THZ).
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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