Hydroxyethylthiazole Kinase (thiM) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hydroxyethylthiazole kinase (thiM), Recombinant Protein
Full Product Name	Recombinant Clavibacter michiganensis subsp. michiganensis Hydroxyethylthiazole kinase (thiM)
Product Gene Name	thiM recombinant protein
Sequence	MSAARPSAHE TTGTGTASAD LLLLLRERQP LVQCITNAVV TGFTANVLLA LGAAPAMTDV PTEAGPFARI ASGLLVNLGT PHAEQREAAV EAAHAAREAG TPWVLDPVAV GALPVRTRLA HELVALSPTV VRGNASEVIA LATGGAGGRG VDATDEVEAA LDAATLLART FGTVVAISGP VDHITDGHRV VRVHTGDALL TKVTGGGCAL GAVMAAFASL DPDPLRAAVA ATSVYTIAAE IAAEGASGPG SFAVGLLDAL DAVTPELVAQ RERLA
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	27,500 Da
Sequence Positions	1-275, 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 A5CSW0
Species	Clavibacter michiganensis subsp. michiganensis (strain NCPPB 382)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for thiM recombinant protein	MBS1009374 is a recombinant protein targeting thiM. Also known as Recombinant Clavibacter michiganensis subsp. michiganensis 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 #	259533179
NCBI Accession #	A5CSW0.1
UniProt Primary Accession #	A5CSW0
NCBI Official Full Name	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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