Hydroxyethylthiazole Kinase 2 (thiM2) Methanosphaera Stadtmanae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hydroxyethylthiazole kinase 2 (thiM2), Recombinant Protein
Full Product Name	Recombinant Methanosphaera stadtmanae Hydroxyethylthiazole kinase 2 (thiM2)
Product Gene Name	thiM2 recombinant protein
Product Synonym Gene Name	thiM2
Sequence	MLEQCSKNIE KLRNKCPLTH CITNYVTIND CANVVLAIGG SPAMANEAPE IEEFVEAAGV TIINMGTLLE DQIEPMQIAA CHTKKTNTPL VLDPVAVGVS KLRNDITIDL INKSSVDVIR GNMSEIKAIA NLFNITDEKS VAKGVDVSSD DIITKDNIKS NASLVKAVAD KLNTTIAVSG AIDIISDGVS IYLIDNGEEV MSKITGSGCM LTCVIGSFCA ITSPLEAAII GSLSMAISGE LARRKMEINN EGSGSFRTYL IDMMYNMNDE TIMKYGKLYK LE
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	30,324 Da
Sequence Positions	1-282, 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 Q2NGG1
Species	Methanosphaera stadtmanae (strain DSM 3091)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for thiM2 recombinant protein	MBS1422041 is a recombinant protein targeting thiM2. Also known as Recombinant Methanosphaera stadtmanae Hydroxyethylthiazole kinase 2 (thiM2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of thiM2 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 thiM2. It may not necessarily be applicable to this product.

NCBI GI #	499725558
NCBI Accession #	WP_011406292.1
UniProt Primary Accession #	Q2NGG1
GenBank Nucleotide #	WP_011406292.1
NCBI Official Full Name	MULTISPECIES: hydroxyethylthiazole kinase

UniProt Protein Name	Hydroxyethylthiazole kinase 2
UniProt Synonym Protein Names	4-methyl-5-beta-hydroxyethylthiazole kinase 2
Protein Family	Hydroxyethylthiazole kinase
UniProt Gene Name	thiM2
UniProt Synonym Gene Names	TH kinase 2; Thz kinase 2
UniProt Comments for thiM2	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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