Probable S-Methyl-5'-Thioinosine Phosphorylase (Ma_1409) (MA_1409) Methanosarcina Acetivorans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable S-methyl-5'-thioinosine phosphorylase (MA_1409), Recombinant Protein
Full Product Name	Recombinant Methanosarcina acetivorans Probable S-methyl-5'-thioinosine phosphorylase (MA_1409)
Product Gene Name	MA_1409 recombinant protein
Product Synonym Gene Name	MA_1409
Sequence	MDEEAEVAEI AVLGGVGFNS HKDCESHPVT TPYGRITAYL TSIKGRSVVI IPRHAEEIHI PPHRVNYRGN IWAAHSLGAK RVISTNSVGS MRGHPVGSFV VLDDFIDFTR SRPSTFHDDK TVHVDVSEPY CPEIRASLRY SLEKRGISYT EGVYACTEGP RFETRAEIRM MSQFADVVGM TGVPEVVLAK ELSLCYASLS IVTNQACGMT TQKLTADEVT EVVGKAQASI FKILSDAIGK IPETRNCMCR FAKEGACL
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	28,299 Da
Sequence Positions	1-258, 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 Q8TQX8
Species	Methanosarcina acetivorans (strain 35395 / DSM 2834 / JCM 12185 / C2A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MA_1409 recombinant protein	MBS1347867 is a recombinant protein targeting MA_1409. Also known as Recombinant Methanosarcina acetivorans Probable S-methyl-5'-thioinosine phosphorylase (MA_1409). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MA_1409 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 MA_1409. It may not necessarily be applicable to this product.

NCBI GI #	499330933
NCBI Accession #	WP_011021425.1
UniProt Primary Accession #	Q8TQX8

GenBank Nucleotide #	WP_011021425.1
NCBI Official Full Name	S-methyl-5'-thioinosine phosphorylase
UniProt Protein Name	Probable S-methyl-5'-thioinosine phosphorylase
UniProt Synonym Protein Names	5'-methylthioinosine phosphorylase
UniProt Gene Name	MA_1409
UniProt Synonym Gene Names	MTI phosphorylase; MTIP
UniProt Comments for MA_1409	Catalyzes the reversible phosphorylation of S-methyl-5'-thioinosine (MTI) to hypoxanthine and 5-methylthioribose-1-phosphate. Involved in the breakdown of S-methyl-5'-thioadenosine (MTA), a major by-product of polyamine biosynthesis. Catabolism of (MTA) occurs via deamination to MTI and phosphorolysis to hypoxanthine.
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