S-Methyl-5'-Thioadenosine Phosphorylase (mtnP) Rhodobacter Sphaeroides Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-methyl-5'-thioadenosine phosphorylase (mtnP), Recombinant Protein
Full Product Name	Recombinant Rhodobacter sphaeroides S-methyl-5'-thioadenosine phosphorylase (mtnP)
Product Gene Name	mtnP recombinant protein
Product Synonym Gene Name	mtnP
Sequence	MKTMIGVIGG SGVYEIDGLE DAVWTKVETP WGDPSDEILT GRLDGVPMAF LPRHGRGHVH SPTTVPYRAN IDALKRLGVT DLVSVSACGS FREEMAPGDF VIVDQFIDRS FARAKSFFGS GCVAHVSLAH PTCGRLSALC AEAARATGVT VHEGGTYLCM EGPQFSTLAE SLLYKSWGCH VIGMTNMPEA KLAREAEICY ASVAMVTDYD SWHPHHGEVD ITAIIATLGT NADHARGLVA GLPARLGTER DLCPHGCDRA LDHALMTAPA KRDPELLAKL DAVAGRVLKG
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	30,950 Da
Sequence Positions	1-290, 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 Q3J5E8
Species	Rhodobacter sphaeroides (strain 17023 / 2.4.1 / NCIB 8253 / DSM 158)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtnP recombinant protein	MBS1356002 is a recombinant protein targeting mtnP. Also known as Recombinant Rhodobacter sphaeroides S-methyl-5'-thioadenosine phosphorylase (mtnP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtnP 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 mtnP. It may not necessarily be applicable to this product.

NCBI GI #	499656286
NCBI Accession #	WP_011337020.1
UniProt Primary Accession #	Q3J5E8
GenBank Nucleotide #	WP_011337020.1

NCBI Official Full Name	S-methyl-5'-thioadenosine phosphorylase
UniProt Protein Name	S-methyl-5'-thioadenosine phosphorylase
UniProt Synonym Protein Names	5'-methylthioadenosine phosphorylase
Protein Family	S-methyl-5'-thioadenosine phosphorylase
UniProt Gene Name	mtnP
UniProt Synonym Gene Names	MTA phosphorylase; MTAP
UniProt Comments for mtnP	Catalyzes the reversible phosphorylation of S-methyl-5'-thioadenosine (MTA) to adenine and 5-methylthioribose-1-phosphate. Involved in the breakdown of MTA, a major by-product of polyamine biosynthesis. Responsible for the first step in the methionine salvage pathway after MTA has been generated from S-adenosylmethionine. Has broad substrate specificity with 6-aminopurine nucleosides as preferred substrates.
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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