S-Methyl-5'-Thioadenosine Phosphorylase (CG4802) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-methyl-5'-thioadenosine phosphorylase (CG4802), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster S-methyl-5'-thioadenosine phosphorylase (CG4802)
Product Gene Name	CG4802 recombinant protein
Product Synonym Gene Name	CG4802
Sequence	MITIKCKDTN LDPLPVKIGI IGGSGLDDPD ILEQRQERVV ETPYGEPSDA LIEGEINGVQ CVLLARHGRK HDIMPSNVNY RANIWALRDV GCTHLIVSTA CGSLREEIKP GNLVVPHDFI DRTTKRLQTF YDGKAQSPRG VCHLPMFPAF SERTRNILLQ AAKELEIPAH DKATIVTIEG PRFSSRSESH MFRQWGGDLI NMTTCPEVVL AKEAGLLYGS VAIATDYDCW RMGCEGVNVQ DVLRTFAENV IKVKKILVNA VGRIAKEDWS EDILNAKQCV CNNTMSGAM
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	32,018 Da
Sequence Positions	1-289, 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 Q9V813
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CG4802 recombinant protein	MBS1385338 is a recombinant protein targeting CG4802. Also known as Recombinant Drosophila melanogaster S-methyl-5'-thioadenosine phosphorylase (CG4802). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CG4802 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 CG4802. It may not necessarily be applicable to this product.

NCBI GI #	665401584
NCBI GeneID	36955
NCBI Accession #	NP_001286525.1

UniProt Primary Accession #	Q9V813
UniProt Related Accession #	Q9V813
GenBank Nucleotide #	NM_001299596.1
NCBI Official Full Name	methylthioadenosine phosphorylase, isoform C
NCBI Official Synonym Full Names	Methylthioadenosine phosphorylase
NCBI Official Symbol	Mtap
NCBI Official Synonym Symbols	CG4802; DmelCG4802; MTAP
UniProt Protein Name	S-methyl-5'-thioadenosine phosphorylase
UniProt Synonym Protein Names	5'-methylthioadenosine phosphorylase
UniProt Gene Name	Mtap
UniProt Synonym Gene Names	MTA phosphorylase; MTAP; MTAPase
NCBI Protein Information	CG4802 gene product from transcript CG4802-RC
UniProt Comments for CG4802	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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