S-Adenosylmethionine Synthase (metK) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine synthase (metK), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus S-adenosylmethionine synthase (metK)
Product Gene Name	metK recombinant protein
Product Synonym Gene Name	metK
Sequence	MSRYVFTSES VTEGHPDKIC DQVSDAVLDA LLAQDPSSRV ACETVVNTGL CLITGEVTSN AQVDFIHLVR NVIREIGYSG ARAGGFDATS CAVLVALDQQ SPDIAQGVNE ADDHSGDPLD KVGAGDQGIM FGYACDETPE LMPLPISLAH RLARQLAAVR HDGSLSYLLP DGKTQVSVVY ENDRPVAIDT ILISTQHTSE VEGISDENGI RERITQDLWT HVVEPATADL PLKPNREATR FLVNPTGKFV VGGPQGDAGL TGRKIIVDTY GGYARHGGGA FSGKDPTKVD RSAAYAARFV AKCLVAAGLA QRAEVQLSYA IGVAKPVSIL VESFGTGKVT NDELTALVQD HFDLRPGAII EQFKLRQLPQ QRGGRFYQDT AAYGHFGRPD LKLPWEDVTD KASTLLQAEA QQQKQGSSL
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	44,971 Da
Sequence Positions	1-419, 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 Q7V5A2
Species	Prochlorococcus marinus (strain MIT 9313)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metK recombinant protein	MBS1317574 is a recombinant protein targeting metK. Also known as Recombinant Prochlorococcus marinus S-adenosylmethionine synthase (metK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of metK 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 metK. It may not necessarily be applicable to this product.

NCBI GI #	499443573
NCBI Accession #	WP_011131037.1
UniProt Primary Accession #	Q7V5A2
GenBank Nucleotide #	WP_011131037.1

NCBI Official Full Name	S-adenosylmethionine synthase
UniProt Protein Name	S-adenosylmethionine synthase
UniProt Synonym Protein Names	MAT
UniProt Gene Name	metK
UniProt Synonym Gene Names	AdoMet synthase
UniProt Comments for metK	Catalyzes the formation of S-adenosylmethionine (AdoMet) from methionine and ATP. The overall synthetic reaction is composed of two sequential steps, AdoMet formation and the subsequent tripolyphosphate hydrolysis which occurs prior to release of AdoMet from the enzyme.
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