S-Adenosylmethionine Synthase (metK) Synechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine synthase (metK), Recombinant Protein
Full Product Name	Recombinant Synechococcus elongatus S-adenosylmethionine synthase (metK)
Product Gene Name	metK recombinant protein
Product Synonym Gene Name	metK
Sequence	MTRRYLFTSE SVTEGHPDKI CDQISDTILD ALLTEDPSSR VAAEVVVNTG LVLITGEVST QAQTNLIDLA RRKIAEIGYT GEDSGFGANN CTVLIALDKQ SPDIAQGVDT AQEQRQASSD ERFDSIGAGD QGIMFGYACN EAPELMPLPI SLSHRLARQL AVVRHNGQLD YLRPDGKTQV TIAYEDGKPV AIDTILISTQ HKAAIGDISD DNAVQERIKS DLWEQVVLPV FSDLVIQPDS ATRFLVNPTG KFVIGGPQGD AGLTGRKIIV DTYGGYSRHG GGAFSGKDPT KVDRSAAYAC RYVAKNIVAA GLAEKCEVQL SYAIGVARPV SVLVETFGTG KVADEVLLDL VRKHFELRPA GIIEHFNLQR LPGERGGRFY QEVAAYGHFG RNDLDLPWEQ TDKADTLRQE ALATTQA
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	45,189 Da
Sequence Positions	1-417, 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 Q31KC6
Species	Synechococcus elongatus (strain PCC 7942) (Anacystis nidulans R2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metK recombinant protein	MBS1450822 is a recombinant protein targeting metK. Also known as Recombinant Synechococcus elongatus 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 #	499697742
NCBI Accession #	WP_011378476.1
UniProt Primary Accession #	Q31KC6
GenBank Nucleotide #	WP_011378476.1

NCBI Official Full Name	MULTISPECIES: 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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