S-Adenosylmethionine Synthase (METK) Musa Acuminata Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine synthase (METK), Recombinant Protein
Full Product Name	Recombinant Musa acuminata S-adenosylmethionine synthase (METK)
Product Gene Name	METK recombinant protein
Sequence	MEDTFLFTSE SVNEGHPDKL CDQISDAVLD ACLEQDPDSK VACETCTKTN MVMVFGEITT KGNIDYEKIV RDTCRDIGFT SEDVGLDADH CKVLVNIEQQ SPDIAQGVHG HFTKRPEEIG AGDQGHMFGY ATDETPELMP LSHVLATKLG ARLTEVRKNG TCPWLRPDGK TQVTVEYRND HGAMIPVRVH TVLISTQHDE TVTNDEIAAD LKEHVIKPVI PEQYLDEKTI FHLNPSGRFV IGGPHGDAGL TGRKIIIDTY GGWGAHGGGA FSGKDPTKVD RSGAYVARQA AKSIVASELA RRCIVQVSYA IGVPEPLSVF VDTYGTGKIP DKEILKIVKE NFDFRPGLIT INLGLKRGGY RYLKTAAYGH FGRDDPDFTW EVVKPLELEK PAA
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	43,151 Da
Sequence Positions	1-393, 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 O22338
Species	Musa acuminata (Banana) (Musa cavendishii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for METK recombinant protein	MBS1149150 is a recombinant protein targeting METK. Also known as Recombinant Musa acuminata 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 #	3914019
NCBI GeneID	103993709
NCBI Accession #	O22338.1
UniProt Primary Accession #	O22338
UniProt Related Accession #	O22338

NCBI Official Full Name	S-adenosylmethionine synthase
NCBI Official Symbol	LOC103993709
NCBI Official Synonym Symbols	MAT; METK
UniProt Protein Name	S-adenosylmethionine synthase
UniProt Synonym Protein Names	Methionine adenosyltransferase; MAT
UniProt Gene Name	METK
UniProt Synonym Gene Names	AdoMet synthase; MAT
NCBI Protein Information	S-adenosylmethionine synthase
UniProt Comments for METK	Catalyzes the formation of S-adenosylmethionine from methionine and ATP. The reaction comprises two steps that are both catalyzed by the same enzyme: formation of S-adenosylmethionine (AdoMet) and triphosphate, and subsequent hydrolysis of the triphosphate.
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