S-Adenosylmethionine Synthase 2 (metK2) Frankia Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine synthase 2 (metK2), Recombinant Protein
Full Product Name	Recombinant Frankia sp. S-adenosylmethionine synthase 2 (metK2)
Product Gene Name	metK2 recombinant protein
Product Synonym Gene Name	metK2
Sequence	MATRLFTSES VTEGHPDKIA DQISDSILDA MIKDDPKSRV AVETLITTGQ VHVAGEVTTK TYVDIASVVR ERILEIGYDS SKKGFDGASC GVSVSIGAQS PDIAQGVDTA HETRVEGSAD DEFDRQGAGD QGLMFGFACD ETPELMPLPI ALAHRLARRL SAVRKEGQIG YLRPDGKTQV TIEYVDGKPA RLDTVVVSSQ HAADIDLDTL LAPDIAEYVV EPELALLEIA TEGRRLLVNP TGRFEIGGPM GDAGLTGRKI IVDTYGGYAR HGGGAFSGKD PSKVDRSAAY AMRWVAKNVV AAGLASRCEV QVAYAIGKAQ PVGLFVETFG TGTVPDIQIQ DAVTSVFDLR PAAIIRDLDL LRPVYAQTAA YGHFGRPELD FTWESTARAE ALQRAVKG
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	42,564 Da
Sequence Positions	1-398, 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 Q2J843
Species	Frankia sp. (strain CcI3)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metK2 recombinant protein	MBS1326490 is a recombinant protein targeting metK2. Also known as Recombinant Frankia sp. S-adenosylmethionine synthase 2 (metK2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of metK2 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 metK2. It may not necessarily be applicable to this product.

NCBI GI #	499756843
NCBI Accession #	WP_011437577.1
UniProt Primary Accession #	Q2J843
GenBank Nucleotide #	WP_011437577.1

NCBI Official Full Name	MULTISPECIES: S-adenosylmethionine synthase 2
UniProt Protein Name	S-adenosylmethionine synthase 2
UniProt Synonym Protein Names	MAT 2
Protein Family	S-adenosylmethionine synthase
UniProt Gene Name	metK2
UniProt Synonym Gene Names	AdoMet synthase 2
UniProt Comments for metK2	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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