Modification Methylase Mvai (mvaIM) Micrococcus Varians Recombinant Protein

PRODUCT OVERVIEW

Product Name	Modification methylase MvaI (mvaIM), Recombinant Protein
Full Product Name	Recombinant Micrococcus varians Modification methylase MvaI (mvaIM)
Product Gene Name	mvaIM recombinant protein
Sequence	MEYLNDKDQH LIDKLSKKIN DNNQYLGFLN TNTKELTHRY HIYPAMMIPQ LAKEFIELTQ QVKPEIKKLY DPFMGSGTSL VEGLAHGLEV YGTDINPLSQ MMSKAKTTPI EPSKLSRAIS DLEYSIREMT ILYHEGNYKI SNLPDFDRID FWFKEEVIIS LQLIKNCINE FIEDDLKTFF MAAFSETVRH VSNTRNNEFK LYRMAPEKLE IWNPNVTEEF LKRVYRNELG NMDFYRQLEN VGNYSPKTII NKQSNIKLPE EFKDEMFDIV VTSPPYGDSK TTVAYGQFSR LSAQWLDLKI DDETKINQLD NVMLGGKTDK NIIVNDVLEY LNSPTSKSVF NLISHKDEKR ALEVLQFYVD LDKSIKETTR VMKPESYQFW VVANRTVKMI SIPTDIIISE LFKKYNVHHL YSFYRKIPNK RMPSKNSPTN KIGNHSVTMT SEIILMLKNY INKS
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	53,072 Da
Sequence Positions	1-454, 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 P14244
Species	Micrococcus varians
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mvaIM recombinant protein	MBS1184684 is a recombinant protein targeting mvaIM. Also known as Recombinant Micrococcus varians Modification methylase MvaI (mvaIM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mvaIM 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 mvaIM. It may not necessarily be applicable to this product.

NCBI GI #	127468
NCBI Accession #	P14244.1
UniProt Primary Accession #	P14244
NCBI Official Full Name	Modification methylase MvaI
UniProt Protein Name	Modification methylase MvaI

UniProt Synonym Protein Names	N-4 cytosine-specific methyltransferase MvaI
Protein Family	Modification methylase
UniProt Gene Name	mvaIM
UniProt Synonym Gene Names	M.MvaI
UniProt Comments for mvaIM	This methylase recognizes the double-stranded sequence CCWGG, causes specific methylation on C-2 on both strands, and protects the DNA from cleavage by the MvaI endonuclease.
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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