Modification Methylase Mjaii (Mjaiim), Partial (mjaIIM) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Modification methylase MjaII (mjaIIM), partial, Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii Modification methylase MjaII (mjaIIM), partial
Product Gene Name	mjaIIM recombinant protein
Product Synonym Gene Name	mjaIIM; MJ1448
Product Synonym Names	Modification methylase MjaII; M.MjaII; EC=2.1.1.113; N-4 cytosine-specific methyltransferase MjaII
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	63,755 Da
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 Q58843
Species	Methanocaldococcus jannaschii (strain 43067 / DSM 2661 / JAL-1 / JCM 10045 / NBRC 100440) (Methanococcus jannaschii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mjaIIM recombinant protein	MBS1326339 is a recombinant protein targeting mjaIIM. Also known as Recombinant Methanocaldococcus jannaschii Modification methylase MjaII (mjaIIM), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mjaIIM 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 mjaIIM. It may not necessarily be applicable to this product.

NCBI GI #	15669639
NCBI GeneID	1452352
NCBI Accession #	NP_248452.1
UniProt Primary Accession #	Q58843
UniProt Related Accession #	Q58843
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	type II R/M system modification methyltransferase

NCBI Official Symbol	MJ_1448
UniProt Protein Name	Modification methylase MjaII
UniProt Synonym Protein Names	N-4 cytosine-specific methyltransferase MjaII
Protein Family	Modification methylase
UniProt Gene Name	mjaIIM
UniProt Synonym Gene Names	M.MjaII
UniProt Entry Name	MTM2_METJA
NCBI Protein Information	type II R/M system modification methyltransferase
UniProt Comments for mjaIIM	This methylase recognizes the double-stranded sequence GGNC, causes specific methylation on C-4 on both strands, and protects the DNA from cleavage by the MjaII 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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