Modification Methylase Bspri (bspRIM) Lysinibacillus Sphaericus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Modification methylase BspRI (bspRIM), Recombinant Protein
Full Product Name	Recombinant Lysinibacillus sphaericus Modification methylase BspRI (bspRIM)
Product Gene Name	bspRIM recombinant protein
Sequence	MAIKINEKGR GKFKPAPTYE KEEVRQLLME KINEEMEAVA TATSDISNDE IQYKSDKFNV LSLFCGAGGL DLGFELAGLE QSLGTDKALE AFKDRDVYNA IRHESVFHTV YANDIFSEAL QTYEKNMPNH VFIHEKDIRK IKEFPSANLV IGGFPCPGFS EAGPRLVDDE RNFLYIHFIR CLMQVQPEIF VAENVKGMMT LGGGEVFRQI VEDFGAAGYR VEARLLNARD YGVPQIRERV IIVGVRNDID FNYEYPEITH GNEEGLKPYV TLEEAIGDLS LDPGPYFTGS YSTIFMSRNR KKKWTDQSFT IQASGRQAPI HPGGLPMEKV DKNKWIFPDG EENHRRLSVK EIKRIQTFPD WYEFSDGGNM KVSVNNRLDK QYKQIGNAVP VFLARAVAKS IAQFAADYLK DNHPHEAPQM KLFI
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	48,212 Da
Sequence Positions	1-424, 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 P13906
Species	Lysinibacillus sphaericus (Bacillus sphaericus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bspRIM recombinant protein	MBS1229080 is a recombinant protein targeting bspRIM. Also known as Recombinant Lysinibacillus sphaericus Modification methylase BspRI (bspRIM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bspRIM 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 bspRIM. It may not necessarily be applicable to this product.

NCBI GI #	298286911
NCBI Accession #	P13906.3
UniProt Primary Accession #	P13906
NCBI Official Full Name	Modification methylase BspRI
UniProt Protein Name	Modification methylase BspRI

UniProt Synonym Protein Names	Cytosine-specific methyltransferase BspRI
Protein Family	Modification methylase
UniProt Gene Name	bspRIM
UniProt Synonym Gene Names	M.BspRI
UniProt Comments for bspRIM	This methylase recognizes the double-stranded sequence GGCC, causes specific methylation on C-3 on both strands, and protects the DNA from cleavage by the BspRI 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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