Modification Methylase Bsuri (hsdRM) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Modification methylase BsuRI (hsdRM), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis Modification methylase BsuRI (hsdRM)
Product Gene Name	hsdRM recombinant protein
Sequence	MTLKIDIKGR GKYKPASDYS IDDVKNVLME KIFEESSRII NSDDDLEIIE KVDFRTDKIN VLSLFSGCGG LDLGFELAGL AAVIGEQAAM EAFKDKDRFN ELRNKSIFHT IYTNDLFKEA NQTYKTNFPG HVIQHEKDIR QVKYFPKCNL ILGGFPCPGF SEAGPRLIDD DRNFLYLHFI RSLIQAQPEI FVAENVKGMM TLGKGEVLNQ IIEDFASAGY RVQFKLLNAR DYGVPQLRER VIIEGVRKDI SFNYKYPSPT HGEETGLKPF KTLRDSIGDL VTDPGPYFTG SYSSIYMSRN RKKSWDEQSF TIQASGRQAP LHPGGLSMKK IGKDKWVFPD GEENHRRLSV KEIARVQTFP DWFQFSQGTN SQTSINNRLD KQYKQIGNAV PVLLAKAVAS PIANWAINYL ESSPNNKIKN RERKLSIRTF LRIKTS
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	49,635 Da
Sequence Positions	1-436, 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 P06530
Species	Bacillus subtilis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for hsdRM recombinant protein	MBS1241688 is a recombinant protein targeting hsdRM. Also known as Recombinant Bacillus subtilis Modification methylase BsuRI (hsdRM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of hsdRM 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 hsdRM. It may not necessarily be applicable to this product.

NCBI GI #	127429
NCBI Accession #	P06530.1
UniProt Primary Accession #	P06530
NCBI Official Full Name	Modification methylase BsuRI
UniProt Protein Name	Modification methylase BsuRI

UniProt Synonym Protein Names	Cytosine-specific methyltransferase BsuRI
Protein Family	Modification methylase
UniProt Gene Name	hsdRM
UniProt Synonym Gene Names	hsdM; M.BsuRI
UniProt Comments for hsdRM	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 BsuRI endonuclease.
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