Type-2 Restriction Enzyme Bamhi (bamHIR) Bacillus Amyloliquefaciens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Type-2 restriction enzyme BamHI (bamHIR), Recombinant Protein
Full Product Name	Recombinant Bacillus amyloliquefaciens Type-2 restriction enzyme BamHI (bamHIR)
Product Gene Name	bamHIR recombinant protein
Sequence	MEVEKEFITD EAKELLSKDK LIQQAYNEVK TSICSPIWPA TSKTFTINNT EKNCNGVVPI KELCYTLLED TYNWYREKPL DILKLEKKKG GPIDVYKEFI ENSELKRVGM EFETGNISSA HRSMNKLLLG LKHGEIDLAI ILMPIKQLAY YLTDRVTNFE ELEPYFELTE GQPFIFIGFN AEAYNSNVPL IPKGSDGMSK RSIKKWKDKV ENK
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	24,570 Da
Sequence Positions	1-213, 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 P23940
Species	Bacillus amyloliquefaciens (Bacillus velezensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bamHIR recombinant protein	MBS1253305 is a recombinant protein targeting bamHIR. Also known as Recombinant Bacillus amyloliquefaciens Type-2 restriction enzyme BamHI (bamHIR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bamHIR 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 bamHIR. It may not necessarily be applicable to this product.

NCBI GI #	503118864
NCBI Accession #	WP_013353547.1
UniProt Primary Accession #	P23940
GenBank Nucleotide #	WP_013353547.1
NCBI Official Full Name	MULTISPECIES: type-2 restriction enzyme BamHI
UniProt Protein Name	Type-2 restriction enzyme BamHI

UniProt Synonym Protein Names	Endonuclease BamHI; Type II restriction enzyme BamHI
Protein Family	Type-2 restriction enzyme
UniProt Gene Name	bamHIR
UniProt Synonym Gene Names	R.BamHI
UniProt Comments for bamHIR	Recognizes the double-stranded sequence GG and cleaves after G-1.
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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