Type-2 Restriction Enzyme Mjai (mjaIR) Methanocaldococcus Jannaschii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Type-2 restriction enzyme MjaI (mjaIR), Recombinant Protein
Full Product Name	Recombinant Methanocaldococcus jannaschii Type-2 restriction enzyme MjaI (mjaIR)
Product Gene Name	mjaIR recombinant protein
Product Synonym Gene Name	mjaIR; MJ0984
Product Synonym Names	Type-2 restriction enzyme MjaI; R.MjaI; EC=3.1.21.4; Endonuclease MjaI; Type II restriction enzyme MjaI
Sequence	MVKLMKKLED KKGIIEITFE EEREILELPS KPELPKYASQ LINLANIFSQ GTRPKVVGQM SELIKEFRKT GGRTFEDWKK WYLQKYPNAI DEATEKIWNM LNNFKETLEQ LERDDVRKWV EDLVLIKTYE GLMLQDAILK KVAEELGGNY RPSTIEEESK GIDGVIIIDD KEIPVSIKSK TYVNQEKHLS EELKGHLIIY EKKKNKIIVD YSDLLDLVEN TK
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	25,962 Da
Sequence Positions	1-222aa; 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 Q58391
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 mjaIR recombinant protein	MBS1340802 is a recombinant protein targeting mjaIR. Also known as Recombinant Methanocaldococcus jannaschii Type-2 restriction enzyme MjaI (mjaIR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mjaIR 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 mjaIR. It may not necessarily be applicable to this product.

NCBI GI #	15669174
NCBI GeneID	1451882
NCBI Accession #	NP_247979.1

UniProt Primary Accession #	Q58391
UniProt Related Accession #	Q58391
GenBank Nucleotide #	NC_000909.1
NCBI Official Full Name	type II R/M system restriction enzyme 1
NCBI Official Symbol	MJ_0984
UniProt Protein Name	Type-2 restriction enzyme MjaI
UniProt Synonym Protein Names	Endonuclease MjaI; Type II restriction enzyme MjaI
Protein Family	Type-2 restriction enzyme
UniProt Gene Name	mjaIR
UniProt Synonym Gene Names	R.MjaI
UniProt Entry Name	T2M1_METJA
NCBI Protein Information	type II R/M system restriction enzyme 1
UniProt Comments for mjaIR	Recognizes the double-stranded sequence CTAG and cleaves after C-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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