Carbapenem-Hydrolyzing Beta-Lactamase Blab-5 (blaB5) Flavobacterium Meningosepticum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carbapenem-hydrolyzing beta-lactamase BlaB-5 (blaB5), Recombinant Protein
Full Product Name	Recombinant Flavobacterium meningosepticum Carbapenem-hydrolyzing beta-lactamase BlaB-5 (blaB5)
Product Gene Name	blaB5 recombinant protein
Product Synonym Gene Name	blaB5
Sequence	QQNPDIKIEK LKDNLYVYTT YNTFKGTKYA ANAVYMVTDK GVVVIDSPWG EDKFKSFTDE IYKKHGKKVI MNIATHSHDD RAGGLEYFGK LGAKTYSTKM TDSILAKENK PRAKYTFDNN KSFKVGNTEF QVYYPGKGHT ADNVVVWFPK DKVLVGGCIV KSGDSKDLGY IGEAYVNDWT QSIHNIQQKF PDVQYVVAGH DDWKDQTSIQ HTLDLISDYQ QKQKASN
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	28,161 Da
Sequence Positions	23-249, 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 Q9KJA9
Species	Flavobacterium meningosepticum (Chryseobacterium meningosepticum) (Elizabethkingia meningoseptica)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for blaB5 recombinant protein	MBS1476072 is a recombinant protein targeting blaB5. Also known as Recombinant Flavobacterium meningosepticum Carbapenem-hydrolyzing beta-lactamase BlaB-5 (blaB5). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of blaB5 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 blaB5. It may not necessarily be applicable to this product.

NCBI GI #	1028102051
NCBI Accession #	WP_063857828.1
UniProt Primary Accession #	Q9KJA9
GenBank Nucleotide #	WP_063857828.1

NCBI Official Full Name	subclass B1 metallo-beta-lactamase BlaB-5
UniProt Protein Name	Metallo-beta-lactamase type 2
UniProt Synonym Protein Names	B2 metallo-beta-lactamase
UniProt Gene Name	blaB5
UniProt Synonym Gene Names	; CHbetaL-5
UniProt Comments for blaB5	Confers resistance to the different beta-lactams antibiotics (penicillin, cephalosporin and carbapenem) via the hydrolysis of the beta-lactam ring.
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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