Multidrug Transporter Mdfa (mdfA) Yersinia Pestis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Multidrug transporter MdfA (mdfA), Recombinant Protein
Full Product Name	Recombinant Yersinia pestis Multidrug transporter MdfA (mdfA), partial
Product Gene Name	mdfA recombinant protein
Sequence	MQTSFSPATR LGRRALLFPL CLVLFEFAAY IANDMIQPGM LAVVAEFNAS VEWVPTSMTA YLAGGMFLQW LLGPLSDRRG RRPVMLAGVA FFVVTCLAIL LVNSIEQFIA MRFLQGIGLC FIGAVGYATI QESFEEAVCI KITALMANVA LIAPLLGPLA GAALIHVAPW QTMFVLFAVL GAISFAGLWR AMPETASLKG EKLSVANMWR DYKQVLANRR FLCGSLALGF ASLPLLAWIA QSPVILISGE QLSTFEYGIL QVPIFGALII GNLTLARLSG KTSIPQLIRY GAGPMIVGLM IAAGSTLYSS HAYLWMTAGL SLYAFGIGLA NAGLVRLTLF ASDISKGTVS AAMGMISMMI FTLGIELAKV AYLWGDSRGF NLFNLMSGLL WLGLVMVFIR RQPEAVATE
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	44,065 Da
Sequence Positions	1-409
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 D0JUX5
Species	Yersinia pestis (strain D182038)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mdfA recombinant protein	MBS1218285 is a recombinant protein targeting mdfA. Also known as Recombinant Yersinia pestis Multidrug transporter MdfA (mdfA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mdfA 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 mdfA. It may not necessarily be applicable to this product.

NCBI GI #	488144545
NCBI Accession #	WP_002215753.1
UniProt Primary Accession #	D0JUX5
GenBank Nucleotide #	WP_002215753.1
NCBI Official Full Name	MULTISPECIES: multidrug transporter MdfA

UniProt Protein Name	Multidrug transporter MdfA
Protein Family	Multidrug transporter
UniProt Gene Name	mdfA
UniProt Comments for mdfA	Efflux pump driven by the proton motive force. Confers resistance to a broad spectrum of chemically unrelated drugs ().
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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