Manganese Transport System ATP-Binding Protein Mntb (mntB) Bacillus Halodurans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Manganese transport system ATP-binding protein MntB (mntB), Recombinant Protein
Full Product Name	Recombinant Bacillus halodurans Manganese transport system ATP-binding protein MntB (mntB)
Product Gene Name	mntB recombinant protein
Product Synonym Gene Name	mntB
Sequence	MNPVVKVDNL SVFYEQHQAI KNIRFQAGPG QMIGILGPNG AGKSTLMKAI LGLERYTGTV KVLDKHVRHV RKQIAYVPQR NAIDWDFPVL VEDVVMMGRF AHIPWFKRAG KNDKRLVEES LKKVGMEEYR SRQIGELSGG QQQRVFIARA LAQESELFFL DEPFVGIDVT SESIILSLLQ ELRDRGKTIF VVHHDLSKVE KYFDQVLMLN KELIAYGPVA DVYTPEMVAK TYQGNLATFS KKDEVMVVNV
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	28,395 Da
Sequence Positions	1-250, Full length
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 Q9KD30
Species	Bacillus halodurans (strain BAA-125 / DSM 18197 / FERM 7344 / JCM 9153 / C-125)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mntB recombinant protein	MBS1471658 is a recombinant protein targeting mntB. Also known as Recombinant Bacillus halodurans Manganese transport system ATP-binding protein MntB (mntB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mntB 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 mntB. It may not necessarily be applicable to this product.

NCBI GI #	499200014
NCBI Accession #	WP_010897554.1
UniProt Primary Accession #	Q9KD30
GenBank Nucleotide #	WP_010897554.1

NCBI Official Full Name	manganese transport system ATP-binding protein MntB
UniProt Protein Name	Manganese transport system ATP-binding protein MntB
Protein Family	Manganese transport system ATP-binding protein
UniProt Gene Name	mntB
UniProt Comments for mntB	This protein is probably a component of a manganese permease, a binding protein-dependent, ATP-driven transport system. Probably responsible for energy coupling to the transport system ().
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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