Methionine Aminopeptidase (map) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methionine aminopeptidase (map), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Methionine aminopeptidase (map)
Product Gene Name	map recombinant protein
Sequence	MIVKTEEELQ ALKEIGYICA KVRNTMQAAT KPGITTKELD NIAKELFEEY GAISAPIHDE NFPGQTCISV NEEVAHGIPS KRVIREGDLV NIDVSALKNG YYADTGISFV VGESDDPMKQ KVCDVATMAF ENAIAKVKPG TKLSNIGKAV HNTARQNDLK VIKNLTGHGV GLSLHEAPAH VLNYFDPKDK TLLTEGMVLA IEPFISSNAS FVTEGKNEWA FETSDKSFVA QIEHTVIVTK DGPILTTKIE EE
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	27,502 Da
Sequence Positions	1-252, 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 P0A079
Species	Staphylococcus aureus (strain MW2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for map recombinant protein	MBS1229997 is a recombinant protein targeting map. Also known as Recombinant Staphylococcus aureus Methionine aminopeptidase (map). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of map 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 map. It may not necessarily be applicable to this product.

NCBI GI #	446558796
NCBI Accession #	WP_000636142.1
UniProt Primary Accession #	P0A079
UniProt Secondary Accession #	Q9KWL1
GenBank Nucleotide #	WP_000636142.1
NCBI Official Full Name	MULTISPECIES: methionine aminopeptidase

UniProt Protein Name	Methionine aminopeptidase
UniProt Synonym Protein Names	Peptidase M
Protein Family	Methionine aminopeptidase
UniProt Gene Name	map
UniProt Synonym Gene Names	MAP; MetAP
UniProt Comments for map	Removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). Requires deformylation of the N(alpha)-formylated initiator methionine before it can be hydrolyzed.
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