Molybdenum Cofactor Guanylyltransferase (mobA) Shewanella Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Molybdenum cofactor guanylyltransferase (mobA), Recombinant Protein
Full Product Name	Recombinant Shewanella sp. Molybdenum cofactor guanylyltransferase (mobA)
Product Gene Name	mobA recombinant protein
Product Synonym Gene Name	mobA
Sequence	MSLQIDAVIL AGGMARRMGG DDKGLVELNG KAMIEHTIER IKPQVKEILI NANRNQTRYA EFGFTVLSDE HTGFLGPLAG MITAMGHTQA DYLLVVPCDC PLLPRDLVAR LLAAIEANDA ELAVASDGER EQPVVMLLKP SLRESMTAFL EAGERKIDFW YAKHRFAVAA FTDQPNAFVN VNTPEQKQRL AAEINQS
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	21,693 Da
Sequence Positions	1-197, 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 Q0HPK8
Species	Shewanella sp. (strain MR-7)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mobA recombinant protein	MBS1346726 is a recombinant protein targeting mobA. Also known as Recombinant Shewanella sp. Molybdenum cofactor guanylyltransferase (mobA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mobA 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 mobA. It may not necessarily be applicable to this product.

NCBI GI #	499946937
NCBI Accession #	WP_011627671.1
UniProt Primary Accession #	Q0HPK8
GenBank Nucleotide #	WP_011627671.1
NCBI Official Full Name	molybdenum cofactor guanylyltransferase
UniProt Protein Name	Molybdenum cofactor guanylyltransferase

UniProt Synonym Protein Names	GTP:molybdopterin guanylyltransferase
Protein Family	3-hydroxybenzoate 4-monooxygenase
UniProt Gene Name	mobA
UniProt Synonym Gene Names	MoCo guanylyltransferase; MGD synthase
UniProt Comments for mobA	Transfers a GMP moiety from GTP to Mo-molybdopterin (Mo-MPT) cofactor (Moco or molybdenum cofactor) to form Mo-molybdopterin guanine dinucleotide (Mo-MGD) cofactor.
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