Probable Molybdopterin-Guanine Dinucleotide Biosynthesis Protein A (mobA) Brucella Suis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable molybdopterin-guanine dinucleotide biosynthesis protein A (mobA), Recombinant Protein
Full Product Name	Recombinant Brucella suis Probable molybdopterin-guanine dinucleotide biosynthesis protein A (mobA)
Product Gene Name	mobA recombinant protein
Sequence	MRAGQPKITG AKITGAIIAG GQSSRMQAGG VSGDKFLQPL GSAPVIAHVI ARLQPQVDTL FINSKGDLSR FAAFGLPAVK DIAMNHGGPL VGLLTCLAHA SPCRLLLTSA ADTPFLPCDL ASNLIRKQAE TGARIILACS NERVHPIVGL WHTDLVPDLE KWLQHAEKAS IFWFAKHIGF EVVNIPLAHA PRLAESYDPF FNINLPDDLL KAREINEALQ A
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	23,735 Da
Sequence Positions	1-221, 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 B0CLS9
Species	Brucella suis (strain 23445 / 10510)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mobA recombinant protein	MBS1021251 is a recombinant protein targeting mobA. Also known as Recombinant Brucella suis Probable molybdopterin-guanine dinucleotide biosynthesis protein A (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 #	489053895
NCBI Accession #	WP_002964077.1
UniProt Primary Accession #	B0CLS9
GenBank Nucleotide #	WP_002964077.1
NCBI Official Full Name	MULTISPECIES: 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.
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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