Probable Molybdenum Cofactor Biosynthesis Protein A (moaA) Thermoplasma Volcanium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable molybdenum cofactor biosynthesis protein A (moaA), Recombinant Protein
Full Product Name	Recombinant Thermoplasma volcanium Probable molybdenum cofactor biosynthesis protein A (moaA)
Product Gene Name	moaA recombinant protein
Product Synonym Gene Name	moaA
Sequence	MVLTDLYGRP VLSLRIQLNT TCNFNCFFCH MEGTEISGEA LKPEEIERVV KIAHKFGVNK IKLTGGEPTL RRDLIDIVKR IRKYITGNIS MTTNGVMLPI LAYELKKAGL DRVNISMHAF DEDTFQAITG VNSRDRIIKA IDAANEAGLT PVKINFVVLR DLNVDQIPDM IELAAEKHAI LQLIEYETTR EGESSKEYLK YHMPLDSLEK EIADKALSIE RNELHNRPRY IIRTQAGEVK VEFVKPQRNP DFCAHCTRLR ITSEGEFKTC LMRSDTNVKF KGINDEKTIS ELFRQAVLRR EPYWRPGDEV RQNEVLAKSI IQNKRK
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	37,448 Da
Sequence Positions	1-326, 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 Q979T0
Species	Thermoplasma volcanium (strain 51530 / DSM 4299 / JCM 9571 / NBRC 15438 / GSS1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for moaA recombinant protein	MBS1435951 is a recombinant protein targeting moaA. Also known as Recombinant Thermoplasma volcanium Probable molybdenum cofactor biosynthesis protein A (moaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of moaA 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 moaA. It may not necessarily be applicable to this product.

NCBI GI #	499219770
NCBI Accession #	WP_010917310.1
UniProt Primary Accession #	Q979T0

GenBank Nucleotide #	WP_010917310.1
NCBI Official Full Name	GTP 3',8-cyclase MoaA
UniProt Protein Name	Probable GTP 3',8-cyclase
UniProt Synonym Protein Names	Molybdenum cofactor biosynthesis protein A
Protein Family	Cyclic pyranopterin monophosphate synthase
UniProt Gene Name	moaA
UniProt Comments for moaA	Catalyzes the cyclization of GTP to (8S)-3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate.
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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