Molybdenum Cofactor Biosynthesis Protein C (moaC) Geobacter Sulfurreducens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Molybdenum cofactor biosynthesis protein C (moaC), Recombinant Protein
Full Product Name	Recombinant Geobacter sulfurreducens Molybdenum cofactor biosynthesis protein C (moaC)
Product Gene Name	moaC recombinant protein
Product Synonym Gene Name	moaC
Sequence	MSFNHFDDQG RAIMVDVSGK QPTLRTATAA ATVSMQPDTL ADLLAGRTTK GDVLGVARIA GIAAAKKTPE LIPLSHPLAI HHAAIDFDTD QACGTVTVRA TVRAFERTGV EMEAMTSAAV AALTIYDMCK GADKGITIGQ IRLLFKEGGK SGTWQREEGQ
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	16,913 Da
Sequence Positions	1-160, 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 Q749N8
Species	Geobacter sulfurreducens (strain 51573 / DSM 12127 / PCA)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for moaC recombinant protein	MBS1342364 is a recombinant protein targeting moaC. Also known as Recombinant Geobacter sulfurreducens Molybdenum cofactor biosynthesis protein C (moaC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of moaC 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 moaC. It may not necessarily be applicable to this product.

NCBI GI #	39997798
NCBI GeneID	2687501
NCBI Accession #	NP_953749.1
UniProt Primary Accession #	Q749N8
UniProt Related Accession #	Q749N8

GenBank Nucleotide #	NC_002939.5
NCBI Official Full Name	pyranopterin monophosphate cyclase
NCBI Official Symbol	moaC
UniProt Protein Name	Cyclic pyranopterin monophosphate synthase
UniProt Synonym Protein Names	Molybdenum cofactor biosynthesis protein C
Protein Family	Cyclic pyranopterin monophosphate synthase accessory protein
UniProt Gene Name	moaC
NCBI Protein Information	pyranopterin monophosphate cyclase
UniProt Comments for moaC	Catalyzes the conversion of (8S)-3',8-cyclo-7,8-dihydroguanosine 5'-triphosphate to cyclic pyranopterin monophosphate (cPMP).
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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