Molybdenum Import ATP-Binding Protein Modc 1 (modC1) Bradyrhizobium Japonicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Molybdenum import ATP-binding protein ModC 1 (modC1), Recombinant Protein
Full Product Name	Recombinant Bradyrhizobium japonicum Molybdenum import ATP-binding protein ModC 1 (modC1)
Product Gene Name	modC1 recombinant protein
Product Synonym Gene Name	modC1
Sequence	MGGFTKEAKK GYIEVAFNGS LASILLDTQF SVPAKGVTAI FGPPGCGKTT LARCIAGVQR LPNGFCAIDG EIWQDETTFR PPHLRRVAYV FQLPILSSHL SVRRTLLYNA SNSEPTLIDF DGVVELLGLA PLLERTPSHL SKTERQRLAL GSALLGQPRL LLLDDPLIVR DRSAKCEILP FLERILQSLA LPMIYISHDI TDIERLADHL VMMKDGTVTA AGPLNVTQSD PALASRSEAA ICLDTMVGGY DGRYGLVKLR LKSARFLIPA VPLRPGARLR LRIAAGDVSI ACEPPRASSI LNVFRARITA SLPHGDAEVT LVLTLETGHS GVPLLARITR RSFDALRLSI GAEVFAEELC GKLGDDGMR
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	39,965 Da
Sequence Positions	1-369, 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 Q89TQ9
Species	Bradyrhizobium japonicum (strain USDA 110)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for modC1 recombinant protein	MBS1338848 is a recombinant protein targeting modC1. Also known as Recombinant Bradyrhizobium japonicum Molybdenum import ATP-binding protein ModC 1 (modC1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of modC1 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 modC1. It may not necessarily be applicable to this product.

NCBI GI #	27376891
NCBI GeneID	1054667
NCBI Accession #	NP_768420.1

UniProt Primary Accession #	Q89TQ9
UniProt Secondary Accession #	Q9ANK6
GenBank Nucleotide #	NC_004463.1
NCBI Official Full Name	molybdenum ABC transporter ATP-binding protein
NCBI Official Symbol	bll1780
UniProt Protein Name	Molybdenum import ATP-binding protein ModC 1
Protein Family	Molybdenum import ATP-binding protein
UniProt Gene Name	modC1
NCBI Protein Information	bll1780
UniProt Comments for modC1	Part of the ABC transporter complex ModABC involved in molybdenum import. Responsible for energy coupling to the transport system.
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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