Molybdopterin Synthase Catalytic Subunit (moaE) Rhizobium Loti Recombinant Protein

PRODUCT OVERVIEW

Product Name	Molybdopterin synthase catalytic subunit (moaE), Recombinant Protein
Full Product Name	Recombinant Rhizobium loti Molybdopterin synthase catalytic subunit (moaE)
Product Gene Name	moaE recombinant protein
Product Synonym Gene Name	moaE
Sequence	MSAVLAPTVR IQRQDFDVAA EIAALTQGRA DVGAVVSFSG LCRDEQGALS ALELEHYPGM AEAEIGRIAA EAVERWPLQG LTVIHRHGKI RPGENIVLVV AASAHRQAAF EAANFLMDYL KSRAPFWKKE HRTDGSEGGW VEAKETDTQA AKRWKSSSE
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	17,369 Da
Sequence Positions	1-159, 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 Q984P0
Species	Rhizobium loti (strain MAFF303099) (Mesorhizobium loti)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for moaE recombinant protein	MBS1331503 is a recombinant protein targeting moaE. Also known as Recombinant Rhizobium loti Molybdopterin synthase catalytic subunit (moaE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of moaE 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 moaE. It may not necessarily be applicable to this product.

NCBI GI #	499217675
NCBI Accession #	WP_010915215.1
UniProt Primary Accession #	Q984P0
GenBank Nucleotide #	WP_010915215.1
NCBI Official Full Name	MULTISPECIES: molybdopterin synthase catalytic subunit
UniProt Protein Name	Molybdopterin synthase catalytic subunit

UniProt Synonym Protein Names	MPT synthase subunit 2; Molybdenum cofactor biosynthesis protein E; Molybdopterin-converting factor large subunit; Molybdopterin-converting factor subunit 2
Protein Family	Probable molybdopterin synthase
UniProt Gene Name	moaE
UniProt Comments for moaE	Converts molybdopterin precursor Z into molybdopterin. This requires the incorporation of two sulfur atoms into precursor Z to generate a dithiolene group. The sulfur is provided by MoaD ().
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