Molybdopterin Synthase Catalytic Subunit (MOCS2) Coccidioides Immitis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Molybdopterin synthase catalytic subunit (MOCS2), Recombinant Protein
Full Product Name	Recombinant Coccidioides immitis Molybdopterin synthase catalytic subunit (MOCS2)
Product Gene Name	MOCS2 recombinant protein
Product Synonym Gene Name	MOCS2
Sequence	MSTLPSTDPP PLPASTSSQQ PAVHIPPPSY LDPTTYPQTL YLDPERIFIE LTYHPLSPST YLAHTRSPAA GANVLFLGTT RDTFEDKPVA RLAYTSYAPL ALRTLSSIAR DAVAKHGLCG VSIAHRLGDV AVGEESIAIA ISAPHRGAAW RAGEEVLEEC KRRVEIWKRE EFVGEPPGQG EWRANRDTDP EGKSTS
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	21,328 Da
Sequence Positions	1-196, 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 Q1DQS9
Species	Coccidioides immitis (strain RS) (Valley fever fungus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MOCS2 recombinant protein	MBS1329894 is a recombinant protein targeting MOCS2. Also known as Recombinant Coccidioides immitis Molybdopterin synthase catalytic subunit (MOCS2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MOCS2 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 MOCS2. It may not necessarily be applicable to this product.

NCBI GI #	815885771
NCBI GeneID	4562418
NCBI Accession #	XP_001243438.2
UniProt Primary Accession #	Q1DQS9
UniProt Secondary Accession #	J3K3X3

UniProt Related Accession #	Q1DQS9
GenBank Nucleotide #	XM_001243437.2
NCBI Official Full Name	molybdopterin synthase catalytic subunit
NCBI Official Symbol	CIMG_07334
UniProt Protein Name	Molybdopterin synthase catalytic subunit
UniProt Synonym Protein Names	Common component for nitrate reductase and xanthine dehydrogenase protein H
UniProt Gene Name	cnxH
UniProt Synonym Gene Names	MOCS2B
NCBI Protein Information	molybdopterin synthase catalytic subunit
UniProt Comments for MOCS2	Catalytic subunit of the molybdopterin synthase complex, a complex that catalyzes the conversion of precursor Z into molybdopterin. Acts by mediating the incorporation of 2 sulfur atoms from thiocarboxylated MOCS2A into precursor Z to generate a dithiolene group.
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