Maintenance of Mitochondrial Morphology Protein 1 (mmm1) Schizosaccharomyces Japonicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Maintenance of mitochondrial morphology protein 1 (mmm1), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces japonicus Maintenance of mitochondrial morphology protein 1 (mmm1), partial
Product Gene Name	mmm1 recombinant protein
Sequence	CTKEELK NVQEESYPLS PSNEKSTTEF NDATHKVTPS LSEIYDVKTH EEESLDWFNV LVAQALSQIR QDAVSDDAAL KKLQTLFNGK RKPSFLGPIH IKSISLGQRY PVFSNCRIQA QPDDTNGLRA TMDLSLEDDI HFVVNTSAVL NVPRPAFAML PVSLSVRIVH IRGKLSIYFS QSSKSAKRAY LNFTFDPDFD MGIEIQSLVG SRSKLQDIPK IAHIIETRIR KWFITRCVSP QFQQISIPNI WPSSAREGHR QKSTE
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	33,645 Da
Sequence Positions	34-295
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 B6K6N3
Species	Schizosaccharomyces japonicus (strain yFS275 / FY16936) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mmm1 recombinant protein	MBS1264745 is a recombinant protein targeting mmm1. Also known as Recombinant Schizosaccharomyces japonicus Maintenance of mitochondrial morphology protein 1 (mmm1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mmm1 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 mmm1. It may not necessarily be applicable to this product.

NCBI GI #	745752428
NCBI GeneID	7050922
NCBI Accession #	XP_002175480.2
UniProt Primary Accession #	B6K6N3
UniProt Related Accession #	B6K6N3

GenBank Nucleotide #	XM_002175444.2
NCBI Official Full Name	Mdm10/Mdm12/Mmm1 complex subunit Mmm1
NCBI Official Symbol	SJAG_04370
UniProt Protein Name	Maintenance of mitochondrial morphology protein 1
Protein Family	Maintenance of mitochondrial morphology protein
UniProt Gene Name	mmm1
NCBI Protein Information	Mdm10/Mdm12/Mmm1 complex subunit Mmm1
UniProt Comments for mmm1	Component of the ERMES/MDM complex, which serves as a molecular tether to connect the endoplasmic reticulum and mitochondria. Components of this complex are involved in the control of mitochondrial shape and protein biogenesis and may function in phospholipid exchange. The mdm12-mmm1 subcomplex functions in the major beta-barrel assembly pathway that is responsible for biogenesis of all outer membrane beta-barrel proteins, and acts in a late step after the SAM complex. The mdm10-mdm12-mmm1 subcomplex further acts in the TOM40-specific pathway after the action of the mdm12-mmm1 complex. Essential for establishing and maintaining the structure of mitochondria and maintenance of mtDNA nucleoids.
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