Mitochondrial Fission Factor (MFF) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial fission factor (MFF), Recombinant Protein
Full Product Name	Recombinant Human Mitochondrial fission factor (MFF), partial
Product Gene Name	MFF recombinant protein
Product Synonym Gene Name	MFF
Sequence	MSKGTSSDTS LGRVSRAAFP SPTAAEMAEI SRIQYEMEYT EGISQRMRVP EKLKVAPPNA DLEQGFQEGV PNASVIMQVP ERIVVAGNNE DVSFSRPADL DLIQSTPFKP LALKTPPRVL TLSERPLDFL DLERPPTTPQ NEEIRAVGRL KRERSMSENA VRQNGQLVRN DSLWHRSDSA PRNKISRFQA PISAPEYTVT PSPQQARVCP PHMLPEDGAN LSSARGILSL IQSSTRRAYQ QILDVLDENR RPVLRGGSAA ATSNPHHDNV RYGISNIDTT IEGTSDDLTV VDAASLRRQI IKLNRRLQLL EEENKERAKR EM
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	39.9 kDa
Sequence Positions	1-322. Partial, provide the Cytoplasmic Domain
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.
OMIM	614785
3D Structure	ModBase 3D Structure for Q9GZY8
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MFF recombinant protein	MBS1385782 is a recombinant protein targeting MFF. Also known as Recombinant Human Mitochondrial fission factor (MFF), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MFF 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 MFF. It may not necessarily be applicable to this product.

NCBI GI #	457866833
NCBI GeneID	56947
NCBI Accession #	NP_001263990.1
UniProt Primary Accession #	Q9GZY8

UniProt Secondary Accession #	Q567U1; Q658R6; Q9BVZ1; Q9H690; Q9NRG8
UniProt Related Accession #	Q9GZY8
GenBank Nucleotide #	NM_001277061.1
NCBI Official Full Name	mitochondrial fission factor isoform a
NCBI Official Synonym Full Names	mitochondrial fission factor
NCBI Official Symbol	MFF
NCBI Official Synonym Symbols	EMPF2; GL004; C2orf33
UniProt Protein Name	Mitochondrial fission factor
Protein Family	Mitochondrial fission factor
UniProt Gene Name	MFF
UniProt Synonym Gene Names	C2orf33
NCBI Protein Information	mitochondrial fission factor
NCBI Summary for MFF	This is a nuclear gene encoding a protein that functions in mitochondrial and peroxisomal fission. The encoded protein recruits dynamin-1-like protein (DNM1L) to mitochondria. There are multiple pseudogenes for this gene on chromosomes 1, 5, and X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]
UniProt Comments for MFF	Plays a role in mitochondrial and peroxisomal fission. Promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface. May be involved in regulation of synaptic vesicle membrane dynamics by recruitment of DNM1L to clathrin-containing vesicles.
Research Articles on MFF	**1.** We suggest that, even if laboratory findings are not indicative of mitochondrial or peroxisomal dysfunction, the co-occurrence of optic and/or peripheral neuropathy with seizures warrants genetic testing for MFF mutations
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