Mitochondrial Fission Regulator 1 (MTFR1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial fission regulator 1 (Mtfr1), Recombinant Protein
Full Product Name	Recombinant Mouse Mitochondrial fission regulator 1 (Mtfr1)
Product Gene Name	Mtfr1 recombinant protein
Product Synonym Gene Name	Mtfr1
Sequence	CPRVQFQLTS HATEWSPAHS GEDAVASFAD VGLVATEEGE CSIRLRAEVS SKPPHEDDPP CFEKPPSRHT SFPSLSQDKP SPERTLASEE ALQKISALEN ELAALRAQIA KIVTLQEQQS PSAGCLDSST SVTVAPPPPP PPPPPPLPLV LHQSTSALDL IKERREQRLS AGKTLATGHP KKPDMPNMLE ILKDMNSVKL RSVKRSEKDV KPRPADTDHA AFIAEALKKK FAYRHNSQGE TERGIPKPES EATSEPALFG PHILKSTGKM KALIENVPDS
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	35,905 Da
Sequence Positions	49-328, 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 Q99MB2
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mtfr1 recombinant protein	This gene encodes a mitochondrial protein that is characterized by a poly-proline rich region. A chicken homolog of this protein promotes mitochondrial fission and the mouse homolog protects cells from oxidative stress. A related pseudogene of this gene is found on chromosome X.
Other Notes	Small volumes of Mtfr1 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.
Searchable Terms for Mtfr1 purchase	MBS1426007 is a recombinant protein targeting Mtfr1. Also known as Recombinant Mouse Mitochondrial fission regulator 1 (Mtfr1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Mtfr1. It may not necessarily be applicable to this product.

NCBI GI #	358438375
NCBI GeneID	67472
NCBI Accession #	NP_001240319.1

UniProt Primary Accession #	Q99MB2
UniProt Secondary Accession #	Q9CQZ4
UniProt Related Accession #	Q99MB2
GenBank Nucleotide #	NM_001253390.2
NCBI Official Full Name	mitochondrial fission regulator 1
NCBI Official Synonym Full Names	mitochondrial fission regulator 1
NCBI Official Symbol	Mtfr1
NCBI Official Synonym Symbols	Chppr; Fam54a2; 1300002C08Rik; 1700080D04Rik; 2810026O10Rik; 4930579E05Rik
UniProt Protein Name	Mitochondrial fission regulator 1
UniProt Synonym Protein Names	Chondrocyte protein with a poly-proline region
Protein Family	Mitochondrial fission regulator
UniProt Gene Name	Mtfr1
UniProt Synonym Gene Names	Chppr; Kiaa0009
NCBI Protein Information	mitochondrial fission regulator 1
UniProt Comments for Mtfr1	May play a role in mitochondrial aerobic respiration. May also regulate mitochondrial organization and fission.
Research Articles on Mtfr1	**1.** Study defines the NFAT4/ miR-324-5p/Mtfr1 axis, which participates in the regulation of mitochondrial fission and cardiomyocyte apoptosis.
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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