Myotrophin (mtpn) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Myotrophin (mtpn), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Myotrophin (mtpn)
Product Gene Name	mtpn recombinant protein
Product Synonym Gene Name	mtpn
Sequence	MGDKEFMWAL KNGDLDAVKE FVAGGVDVNR TLEGGRKPLH YAADCGQDEI VEFLLAKGAN INAADKHGIT PLLSACYEGH RKCVELFVSK GADKNVKGPD GLNAFESTDN QAIKDLLH
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	12,744 Da
Sequence Positions	1-118, 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 Q7T0Q1
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtpn recombinant protein	MBS1318953 is a recombinant protein targeting mtpn. Also known as Recombinant Xenopus laevis Myotrophin (mtpn). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtpn 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 mtpn. It may not necessarily be applicable to this product.

NCBI GI #	147901181
NCBI GeneID	379571
NCBI Accession #	NP_001079881.1
UniProt Primary Accession #	Q7T0Q1
UniProt Related Accession #	Q7T0Q1
GenBank Nucleotide #	NM_001086412.1

NCBI Official Full Name	myotrophin
NCBI Official Synonym Full Names	myotrophin S homeolog
NCBI Official Symbol	mtpn.S
NCBI Official Synonym Symbols	mtpn
UniProt Protein Name	Myotrophin
Protein Family	Myotrophin
UniProt Gene Name	mtpn
NCBI Protein Information	myotrophin
UniProt Comments for mtpn	Regulates NF-kappa-B transcription factor activity. Promotes growth of cardiomyocytes, but not cardiomyocyte proliferation. Promotes cardiac muscle hypertrophy. Plays a role in the regulation of the growth of actin filaments. Inhibits the activity of the F-actin-capping protein complex ().
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