Protein Maestro (MRO) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein maestro (Mro), Recombinant Protein
Full Product Name	Recombinant Mouse Protein maestro (Mro)
Product Gene Name	Mro recombinant protein
Product Synonym Gene Name	Mro
Sequence	MEQTRKIPNQ PLPTPTSQSK KRRTPLLSFL SKVSWKLRLQ KRELLKNALF VLAERARDPN AKKRHLAMRG LGALAREAPD KQVRKYKKVM LDLLVRGLYD PVSSEVIHES VKTLTIMLGK IQGHGLGSFF IDITLQARTL LDDEDDSVRY SAFVLFGQLA SFAGWRWKKF FTQQVNQTQD SLLGHLQDES PKVAKACKMT VRACVPYLKP RKVPSFQSEE EQKNHRLSRQ LSHCHPEILL FFYANKIL
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	28,567 Da
Sequence Positions	1-248, 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 Q7TNB4
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mro recombinant protein	This gene is specifically transcribed in males before and after differentiation of testis, and the encoded protein may play an important role in a mammalian sex determination. Multiple transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of Mro 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 Mro purchase	MBS1333756 is a recombinant protein targeting Mro. Also known as Recombinant Mouse Protein maestro (Mro). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	806638647
NCBI GeneID	71263
NCBI Accession #	NP_001292811.1

UniProt Primary Accession #	Q7TNB4
UniProt Secondary Accession #	Q9D3T8
UniProt Related Accession #	Q7TNB4
GenBank Nucleotide #	NM_001305882.1
NCBI Official Full Name	protein maestro isoform 1
NCBI Official Synonym Full Names	maestro
NCBI Official Symbol	Mro
NCBI Official Synonym Symbols	4930507C04Rik; 4933435E20Rik
UniProt Protein Name	Protein maestro
UniProt Synonym Protein Names	Male-specific transcription in the developing reproductive organs
Protein Family	Protein maestro
UniProt Gene Name	Mro
NCBI Protein Information	protein maestro
Research Articles on Mro	**1.** Maestro is dispensable for normal male sexual development and fertility in laboratory mice
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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