Protein Maestro (MRO) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein maestro (MRO), Recombinant Protein
Full Product Name	Recombinant Human Protein maestro (MRO)
Product Gene Name	MRO recombinant protein
Product Synonym Gene Name	MRO
Sequence	MDQRQRRILG QPLSIPTSQP KQKRTSMISF FSKVSWKLRF QKREPLKNVF FILAERARDP SAKKRHMAMR NLGTMAYEAP DKVRKYKKIV LDLLVYGLYD PVNLEVIHES MKTLTVVLGK IQGKGLGSFF IDITLQTRTL LDDENDSLRY SAFVLFGQLA AFAGRKWKKF FTSQVKQTRD SLLIHLQDRN PQVAKACKTT FQACSPYLKL KEEYSFQSEE DQRNTKLYQQ LSHYHPEILQ 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	23,016 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.
OMIM	608080
3D Structure	ModBase 3D Structure for Q9BYG7
Species	Human
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	MBS1425590 is a recombinant protein targeting MRO. Also known as Recombinant Human 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 #	187761377
NCBI GeneID	83876

NCBI Accession #	NP_001120646.1
UniProt Primary Accession #	Q9BYG7
UniProt Secondary Accession #	Q8N6K5; B7Z2I5; B7Z3B2; E9PAT5; E9PBI3; K7EKJ8
UniProt Related Accession #	Q9BYG7
GenBank Nucleotide #	NM_001127174.1
NCBI Official Full Name	protein maestro isoform b
NCBI Official Synonym Full Names	maestro
NCBI Official Symbol	MRO
NCBI Official Synonym Symbols	B29; C18orf3
UniProt Protein Name	Protein maestro
UniProt Synonym Protein Names	Male-specific transcription in the developing reproductive organs; Protein B29
Protein Family	Protein maestro
UniProt Gene Name	MRO
UniProt Synonym Gene Names	B29; C18orf3
NCBI Protein Information	protein maestro
Research Articles on MRO	**1.** study also shows a punctate nuclear expression pattern and disperse cytoplasmic expression pattern of the MRO protein in human granulosa-cumulus cells and in testicular germ cells, which was later validated by western blotting
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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