Growth/Differentiation Factor 8 (MSTN) Macaca Mulatta (Rhesus Macaque) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Growth/differentiation factor 8 (MSTN), Recombinant Protein
Full Product Name	Recombinant Macaca mulatta (Rhesus macaque) Growth/differentiation factor 8 (MSTN)
Product Gene Name	MSTN recombinant protein
Sequence	DFGLDCDEHS TESRCCRYPL TVDFEAFGWD WIIAPKRYKA NYCSGECEFV FLQKYPHTHL VHQANPRGSA GPCCTPTKMS PINMLYFNGK EQIIYGKIPA MVVDRCGCS
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	42,722 Da
Sequence Positions	267-375, 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 A1C2U6
Species	Macaca mulatta (Rhesus macaque)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MSTN recombinant protein	This protein is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. This gene is thought to encode a secreted protein which negatively regulates skeletal muscle growth.
Other Notes	Small volumes of MSTN 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 MSTN purchase	MBS1308672 is a recombinant protein targeting MSTN. Also known as Recombinant Macaca mulatta (Rhesus macaque) Growth/differentiation factor 8 (MSTN). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	121583758
NCBI GeneID	710114
NCBI Accession #	NP_001073588.1

UniProt Primary Accession #	A1C2U6
UniProt Related Accession #	A1C2U6
GenBank Nucleotide #	NM_001080119.1
NCBI Official Full Name	growth/differentiation factor 8
NCBI Official Symbol	MSTN
NCBI Official Synonym Symbols	GDF8
UniProt Protein Name	Growth/differentiation factor 8
UniProt Synonym Protein Names	Myostatin
Protein Family	Growth/differentiation factor
UniProt Gene Name	MSTN
UniProt Synonym Gene Names	GDF8; GDF-8
NCBI Protein Information	growth/differentiation factor 8
UniProt Comments for MSTN	Acts specifically as a negative regulator of skeletal muscle growth.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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