Homeobox Protein MSX-1 (MSX1) Macaca Mulatta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Homeobox protein MSX-1 (MSX1), Recombinant Protein
Full Product Name	Recombinant Macaca mulatta Homeobox protein MSX-1 (MSX1)
Product Gene Name	MSX1 recombinant protein
Product Synonym Gene Name	MSX1
Sequence	MAPAADMTSL PLGVKVEDSA FGKPAGGGAG QAPSAAAATA AAMGADEEGA KPKVSPSLLP FSVEALMADH RKPGAKESAL APSEGAQAAG GPAQPLGVPP GSLGAPDAPS SPRPLGHFSV GGLLKLPEDA LVKAESPEKP ERTPWMQSPR FSPPPARRLS PPACTLRKHK TNRKPRTPFT TAQLLALERK FRQKQYLSIA ERAEFSSSLS LTETQVKIWF QNRRAKAKRL QEAELEKLKM AAKPMLPPAA FGLSFPLGGP AAVAAAAGAS LYGASGPFQR AALPVAPVGL YTAHVGYSMY HLT
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	31,478 Da
Sequence Positions	1-303, 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 Q2VL87
Species	Macaca mulatta (Rhesus macaque)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MSX1 recombinant protein	This gene encodes a member of the muscle segment homeobox gene family. The encoded protein functions as a transcriptional repressor during embryogenesis through interactions with components of the core transcription complex and other homeoproteins. It may also have roles in limb-pattern formation, craniofacial development, particularly odontogenesis, and tumor growth inhibition. Mutations in this gene, which was once known as homeobox 7, have been associated with nonsyndromic cleft lip with or without cleft palate 5, Witkop syndrome, Wolf-Hirschom syndrome, and autosomoal dominant hypodontia.
Other Notes	Small volumes of MSX1 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 MSX1 purchase	MBS1478891 is a recombinant protein targeting MSX1. Also known as Recombinant Macaca mulatta Homeobox protein MSX-1 (MSX1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MSX1. It may not necessarily be applicable to this product.

NCBI GI #	589908388

NCBI GeneID	722771
NCBI Accession #	NP_001035506.1
UniProt Primary Accession #	Q2VL87
UniProt Related Accession #	Q2VL87
GenBank Nucleotide #	NM_001040416.1
NCBI Official Full Name	homeobox protein MSX-1
NCBI Official Symbol	MSX1
UniProt Protein Name	Homeobox protein MSX-1
UniProt Synonym Protein Names	Msh homeobox 1-like protein
Protein Family	Homeobox protein
UniProt Gene Name	MSX1
NCBI Protein Information	homeobox protein MSX-1
UniProt Comments for MSX1	Acts as a transcriptional repressor. May play a role in limb-pattern formation. Acts in cranofacial development and specifically in odontogenesis ().
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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