RNA-Binding Protein Musashi Homolog 2 (MSI2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	RNA-binding protein Musashi homolog 2 (Msi2), Recombinant Protein
Full Product Name	Recombinant Mouse RNA-binding protein Musashi homolog 2 (Msi2)
Product Gene Name	Msi2 recombinant protein
Product Synonym Gene Name	Msi2
Sequence	MEANGSPGTS GSANDSQHDP GKMFIGGLSW QTSPDSLRDY FSKFGEIREC MVMRDPTTKR SRGFGFVTFA DPASVDKVLG QPHHELDSKT IDPKVAFPRR AQPKMVTRTK KIFVGGLSAN TVVEDVKQYF EQFGKVEDAM LMFDKTTNRH RGFGFVTFEN EDVVEKVCEI HFHEINNKMV ECKKAQPKEV MFPPGTRGRA RGLPYTMDAF MLGMGMLGYP NFVATYGRGY PGFAPSYGYQ FPGFPAAAYG PVAAAAVAAA RGSVLNSYSA QPNFGAPASP AGSNPARPGG FPGANSPGPV ADLYGPASQD SGVGNYISAA SPQPGSGFGH GIAGPLIATA FTNGYH
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	30,893 Da
Sequence Positions	1-346, 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 Q920Q6
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Msi2 recombinant protein	This gene encodes a protein containing two conserved tandem RNA recognition motifs. Similar proteins in other species function as RNA-binding proteins and play central roles in posttranscriptional gene regulation. Two transcript variants encoding distinct isoforms have been identified for this gene.
Other Notes	Small volumes of Msi2 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 Msi2 purchase	MBS1376927 is a recombinant protein targeting Msi2. Also known as Recombinant Mouse RNA-binding protein Musashi homolog 2 (Msi2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Msi2. It may not necessarily be applicable to this product.

NCBI GI #	17157989
NCBI GeneID	76626
NCBI Accession #	NP_473384.1

UniProt Primary Accession #	Q920Q6
UniProt Secondary Accession #	Q8BQ90; Q920Q7
UniProt Related Accession #	Q920Q6
GenBank Nucleotide #	NM_054043.3
NCBI Official Full Name	RNA-binding protein Musashi homolog 2 isoform 1
NCBI Official Synonym Full Names	musashi RNA-binding protein 2
NCBI Official Symbol	Msi2
NCBI Official Synonym Symbols	Msi2h; AI451722; AI563628; AW489193; 1700105C15Rik
UniProt Protein Name	RNA-binding protein Musashi homolog 2
Protein Family	RNA-binding protein
UniProt Gene Name	Msi2
UniProt Synonym Gene Names	Msi2h; Musashi-2
NCBI Protein Information	RNA-binding protein Musashi homolog 2
UniProt Comments for Msi2	RNA binding protein that regulates the expression of target mRNAs at the translation level. May play a role in the proliferation and maintenance of stem cells in the central nervous system.
Research Articles on Msi2	**1.** Absence of Musashi2 in osteoclast precursors promotes apoptosis and inhibits RANKL-induced NF-kappaB activation, which is essential for osteoclast survival.
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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