HNRNPM Antibody (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	HNRNPM, Blocking Peptide
Full Product Name	HNRNPM Antibody (N-term) Blocking peptide
Product Gene Name	HNRNPM blocking peptide
Product Synonym Gene Name	HNRPM; NAGR1
Product Synonym Names	Heterogeneous nuclear ribonucleoprotein M; hnRNP M; HNRNPM; HNRPM; NAGR1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the N-term region of HNRNPM. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	HNRNPM peptide (MBS9220372) is used for blocking the activity of HNRNPM antibody (MBS9209732)
Molecular Weight	– Da
OMIM	160994
Cellular Location	Nucleus, nucleolus
Related Product Information for HNRNPM blocking peptide	Pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro. Involved in splicing. Acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation of proteins and induction of IL-1 alpha, IL-6, IL-10 and tumor necrosis factor alpha cytokines.
Other Notes	Small volumes of HNRNPM blocking peptide 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 HNRNPM purchase	MBS9220372 is a blocking peptide targeting HNRNPM. Also known as HNRNPM Antibody (N-term) Blocking peptide.

ADDITIONAL DETAILS

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

NCBI GI #	55977747
NCBI GeneID	4670
NCBI Accession #	P52272.3
UniProt Primary Accession #	P52272
UniProt Secondary Accession #	Q15584; Q8WZ44; Q96H56; Q9BWL9; Q9Y492
UniProt Related Accession #	P52272
NCBI Official Full Name	Heterogeneous nuclear ribonucleoprotein M
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein M
NCBI Official Symbol	HNRNPM

NCBI Official Synonym Symbols	CEAR; HNRPM; HTGR1; NAGR1; HNRPM4; HNRNPM4; hnRNP M
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein M
Protein Family	Heterogeneous nuclear ribonucleoprotein
UniProt Gene Name	HNRNPM
UniProt Synonym Gene Names	HNRPM; NAGR1; hnRNP M
UniProt Entry Name	HNRPM_HUMAN
NCBI Protein Information	heterogeneous nuclear ribonucleoprotein M
NCBI Summary for HNRNPM	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has three repeats of quasi-RRM domains that bind to RNAs. This protein also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]
UniProt Comments for HNRNPM	hnRNP M: Pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro. Involved in splicing. Acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation of proteins and induction of IL-1 alpha, IL-6, IL-10 and tumor necrosis factor alpha cytokines. 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Receptor, misc.; RNA splicing; Spliceosome; Nucleolus Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: extracellular matrix; integral to plasma membrane; membrane; nuclear matrix; nucleoplasm; paraspeckles; spliceosome Molecular Function: protein binding; protein domain specific binding Biological Process: alternative nuclear mRNA splicing, via spliceosome; fibroblast growth factor receptor signaling pathway; gene expression; nuclear mRNA splicing, via spliceosome
Research Articles on HNRNPM	**1.** p54nrb and hnRNPM knockdown silences the FGF1 promoter-dependent accumulation of mRNA during myoblast differentiation.
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