HNRNPA1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	HNRNPA1, Blocking Peptide
Full Product Name	HNRNPA1 Peptide - middle region
Product Gene Name	HNRNPA1 blocking peptide
Product Synonym Gene Name	Hdp; HDP-1; Hnrpa1; hnRNP A1; hnrnp-A1
Sequence	Synthetic peptide located within the following region: GRGGFGGSRG GGGYGGSGDG YNGFGNDGSN FGGGGSYNDF GNYNNQSSNF
Species Reactivity	Mouse
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	HNRNPA1 peptide (MBS3248267) is used for blocking the activity of HNRNPA1 antibody (MBS3223658)
Molecular Weight	35 kDa
Product Categories/Family for HNRNPA1 blocking peptide	Peptide
Related Product Information for HNRNPA1 blocking peptide	This is a synthetic peptide designed for use in combination with anti- HNRNPA1 Antibody, made Target Description: Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection (By similarity). May bind to specific miRNA hairpins (By similarity).
Other Notes	Small volumes of HNRNPA1 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 HNRNPA1 purchase	MBS3248267 is a blocking peptide targeting HNRNPA1. Also known as HNRNPA1 Peptide - middle region. Reactive in Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HNRNPA1. It may not necessarily be applicable to this product.

NCBI GI #	6754220
NCBI GeneID	15382
NCBI Accession #	NP_034577.1
UniProt Primary Accession #	P49312
UniProt Related Accession #	P49312
GenBank Nucleotide #	NM_010447.5
NCBI Official Full Name	heterogeneous nuclear ribonucleoprotein A1 isoform a
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein A1
NCBI Official Symbol	Hnrnpa1

NCBI Official Synonym Symbols	Hdp; HDP-1; Hnrpa1; hnRNP A1; hnrnp-A1
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein A1
UniProt Synonym Protein Names	HDP-1; Helix-destabilizing protein; Single-strand-binding protein; Topoisomerase-inhibitor suppressed; hnRNP core protein A1
Protein Family	Heterogeneous nuclear ribonucleoproteins
UniProt Gene Name	Hnrnpa1
UniProt Synonym Gene Names	Fli-2; Hnrpa1; Tis; hnRNP A1
UniProt Entry Name	ROA1_MOUSE
NCBI Protein Information	heterogeneous nuclear ribonucleoprotein A1
UniProt Comments for HNRNPA1	hnRNP A1: Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection. May play a role in HCV RNA replication. Identified in the spliceosome C complex. Identified in a mRNP granule complex, at least composed of ACTB, ACTN4, DHX9, ERG, HNRNPA1, HNRNPA2B1, HNRNPAB, HNRNPD, HNRNPL, HNRNPR, HNRNPU, HSPA1, HSPA8, IGF2BP1, ILF2, ILF3, NCBP1, NCL, PABPC1, PABPC4, PABPN1, RPLP0, RPS3, RPS3A, RPS4X, RPS8, RPS9, SYNCRIP, TROVE2, YBX1 and untranslated mRNAs. Interacts with SEPT6. Interacts with HCV NS5B and with the 5'-UTR and 3'-UTR of HCV RNA. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Nuclear export; RNA splicing; RNA-binding; Spliceosome Cellular Component: nucleoplasm; spliceosome; cytoplasm; ribonucleoprotein complex; nucleus Molecular Function: nucleic acid binding; RNA binding; nucleotide binding Biological Process: alternative nuclear mRNA splicing, via spliceosome; mRNA transport; transport; RNA splicing; mRNA processing
Research Articles on HNRNPA1	**1.** Knockdown of hnRNP A1 led to a decrease in endogenous Nfil3 protein level, which could be due to a reduction in IRES-mediated translation.
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