

Product datasheet for **MC221183**

Hnrnpm (NM_029804) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnrnpm (NM_029804) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hnrnpm
Synonyms:	2610023M21Rik; AA409009; Hnrpm; mKIAA4193
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221183 representing NM_029804
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCAGGGTCAAGCGGCAGCCGAAGTGGCGGCACAGAACCCTAAATGGAGGAAGAGAGCGGCCG
 CGCCTGCGTGCCGAGCGCAACGGAGCTCCGGGCCGAAGGGTGAAGAACGACCTACTCAGAATGAGAA
 GAGGAAGGAGAAAAACATAAAAAAGAGGAGGCAATCGCTTTGAGCCATATCCAACCCAATAAAAGATAC
 AGAGCCTTCATTACAAATATACCTTTTGTGTAATGGCAGTCACTTAAAGACCTGGTAAAGAAAAAG
 TTGGTGAGGTAACATACGTGGAGCTCTTAATGGACGCTGAAGGAAAGTCAAGGGGATGTGCTGTTGTTGA
 ATCAAGATGGAGGAGAGCATGAAAAAGCTGCTGAAGTTCTAAACAAGCATAGTCTGAGTGAAGGCCA
 CTGAAAGTCAAGGAAGATCCTGATGGTGAACATGCAAGGAGAGCAATGCAAAAGGTGATGGCTACGACTG
 GTGGGATGGGTATGGGACCAGGTGGCCAGGAATGATTAATATCCACCCAGTATCTAAATAATCTAA
 CATCCCAATGAGATTATCCATGCATTACAGGCTGGAAGACTTGAAGCACAGTATTTGTAGCAAATCTG
 GATTATAAAGTTGGCTGGAAGAACTGAAGGAAGTATTTAGTATGGCTGGTGTGGTGGTCCGAGCAGACA
 TTCTGGAAGATAAAGATGGGAAAAGTCTGGAATAGGCATTGTGACTTTTGAACAGTCCATTGAAGCTGT
 GCAAGCAATATCTATGTTAATGGCCAGTGTGCTTTGATAGACCGATGCACGTCAAGATGGATGAGAGG
 GCTTTACCAAAGGGAGACTTTTTTCTCTGAACGCCACAGCAACTTCCCCATGGACTTGGTGGTATTG
 GCATGGGATTAGGACCTGGAGGTGAGCCTATTGATGCCAACCATCTGAGCAAAGGCATTGGAATGGGAAA
 CCTAGGACCTGCAGGGATGGGAATGGAAGGCATAGGATTTGGAATAAATAAAATGGAGGCATGGAAGGA
 CCCTTTGGTGGTGGTATGGAACAATGGGCCGATTTGGATCCGGGATGAACATGGGCCGAATAAATGAAA
 TCCTAAGTAATGCACTGAAGAGAGGAGAGATCATTGCAAAACAGGGAGGAGGTGGAGCTGGAGGCATGT
 CCTGGGATCGAGAGGATGGGCCCTGGCATTGACCGCATTAGCGGTGCTGGCATGGAGCGCATGGGCCA
 GGCTTAGGCCATGGCATGGATCGAGTGGCTCTGAGATTGAGCGCATGGGCCCTGGTCATGGACCGCATGG
 GCTCAGTTGAGCGCATGGGCTCCAGCATTGAGCGCATGGGCCACTAGGCCTTGACCACATGGCCTCCAG
 TATTGAGCGCATGGGCCAGACCATGGAGCGCATTGGTTCTGGCGTGGAGCGCATGGGTGCCGGCATGGGC
 TTCGCCCTGGAGCGCATGGCCGACCCATTGACCGTGTGGCCAAACCATTGAGCGCATGGGCTCTGGTG
 TAGAGCGCATGGGCTCTGCCATTGAACGCATGGGCTAAGCATGGATCGGATGGTCCCACAGGCATGGG
 GGCCAGCCTGGAGCGCATGGGCTCTGTATGGATCGGATGGCCACCGCCTGGAGCGCATGGGCCCAAC
 AACCTGGAGCGCATGGGCTGGAGCGTATGGGAGCCAACAGTCTTGGAGCGCATGGGCTGGAGCGAATGG
 GCCCAACAGCCTGGAACGTATGGGCCCTGCCATGGGCCAGCATTGGGCGCTGGTATTGAGCGAATGGG
 CCTGGCCATGGGTGGAGCCGGAGGTGCTAGCTTTGACCGAGCCATTGAGATGGAGCGGGCAACTTTGGA
 GGAAGCTTCGAGGTTCTTTGGCGGAGCTGGAGGCCATGCACCTGGAGTAGCCAGGAAGGCCTGCCAGA
 TATTTGTGAGAAATCTCCATTTGATTTACATGGAAGATGCTAAAGGACAAGTTCAATGAATGTGGCCA
 CGTGCTGTACGCCGACATCAAGATGGAGAACGGAAAGTCCAAGGGGTGCGGTGTGGTTAAGTTTGAAGTCT
 CCAGAGGTGGCTGAGAGAGCCTGCCGGATGATGAATGGCATGAAGCTGAGTGGCCGAGAGATTGATGTTCC
 GAATTGATAGAAATGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029804
Insert Size: 2190 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_029804.3](#), [NP_084080.1](#)

RefSeq Size: 2532 bp

RefSeq ORF: 2190 bp

Locus ID: 76936

UniProt ID: [Q9D0E1](#)

Cytogenetics: 17 B1

Gene Summary: 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 (By similarity). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).