

## Product datasheet for **MC215993**

### **Hnrnph1 (NM\_021510) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hnrnph1 (NM_021510) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hnrnph1
Synonyms:	A1642080; E430005G16Rik; Hnrnph; Hnrph1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC215993 representing NM\_021510  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGCTGGGAGCAGAAGGCGGAGAGGGCTTCGTGGTGAAGGTCGGGGCTTGCCTGGTCTGCTCCG  
 CGGATGAAGTGCAGCGCTTTTTTCTGACTGCAAAATTCAAAATGGGGCTCAAGGTATTCGTTTCATCTA  
 CACCAGAGAAGGCAGACCAAGTGGCGAGGCTTTTGTGAACTTGAATCAGAAGATGAAGTCAAATTTGGCC  
 TTGAAAAAAGACAGAGAACTATGGGACACAGATATGTTGAAGTATTCAAGTCAAACAACGTTGAAATGG  
 ATTGGGTGTTGAAGCATACTGGTCCAAATAGTCTGACACAGCCAATGATGGCTTTGTACGGCTTAGAGG  
 ACTCCCTTTTGGATGTAGCAAGGAAGAAATTTTCAGTCTTCTCAGGGTTGAAATCGTGCCAAATGGG  
 ATAACATTGCCGGTGGACTTCCAGGGGAGGAGTACGGGGAGGCCTTCGTGCAGTTTGCTTACAGGAAA  
 TAGCTGAAAAGGCTCTAAAGAAACACAAGGAAAGAATAGGGCACAGGTATATTGAAATATTTAAGAGCAG  
 TCGAGCTGAAGTTAGAACTCATTATGACCCACCACGAAAATTTATGGCCATGCAGCGGCCAGGTCCCTAT  
 GACAGACCTGGGGCTGGCAGAGGGTATAACAGCATTGGCAGAGGAGCTGGTTTTGAGAGGATGAGGCGTG  
 GTGCTTATGGTGGAGGCTATGGAGGCTATGATGATTATAATGGCTATAATGATGGCTATGGATTTGGTTC  
 AGATAGATTTGGAAGAGACCTCAATTATTGTTTTTCAGGAATGTCTGACCACAGATATGGGGACGGTGGC  
 TCTACTTTCCAGAGTACAACCGGACACTGTGTACACATGCGGGGATTACCATACAGAGCTACTGAGAATG  
 ACATTTATAATTTTTTTTACCCTCAACCCTGTGAGAGTACATATTGAGATTGGACCTGATGGCAGAGT  
 AACTGGTGAAGCAGATGTTGAGTTCGCAACCCATGAAGATGCTGTTGCAGCTATGTCAAAGATAAAGCA  
 AATATGCAACACAGATATGTAGAGCTCTTCTTGAATTCTACAGCAGGAGCAAGCGGTGGTCTTACGAAC  
 ACAGATATGTAGAACTCTTCTTGAATTCTACAGCAGGAGCAAGCGGTGGTCTTATGGTAGCCAAATGAT  
 GGGAGGCATGGGCTTGTCAAACCACTCCAGTTACGGTGGCCAGCCAGCCAGCAGCTGAGTGGTGGTTAT  
 GGAGGTGGTTACGGTGGCCAGAGCAGCATGAGCGGATATGACCAAGTTTTACAGGAAAACCTCCAGTGATT  
 TTCAATCAAACATTGCATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_021510

**Insert Size:** 1350 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](mailto: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\\_021510.2](#), [NP\\_067485.1](#)

**RefSeq Size:** 2242 bp

**RefSeq ORF:** 1350 bp

**Locus ID:** 59013

**UniProt ID:** [O35737](#)

**Cytogenetics:** 11 B1.3

**Gene Summary:** This protein is a component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. Mediates pre-mRNA alternative splicing regulation. Inhibits, together with CUGBP1, insulin receptor (IR) pre-mRNA exon 11 inclusion in myoblast. Binds to the IR RNA. Binds poly(RG) (By similarity).  
[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region, resulting in novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform 2, which has a shorter and distinct C-terminus, compared to isoform 1.