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Product datasheet for SC336920

HNRPM (HNRNPM) (NM_001297418) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPM (HNRNPM) (NM_001297418) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRNPM
Synonyms:	CEAR; hnRNP M; HNRNPM4; HNRPM; HNRPM4; HTGR1; NAGR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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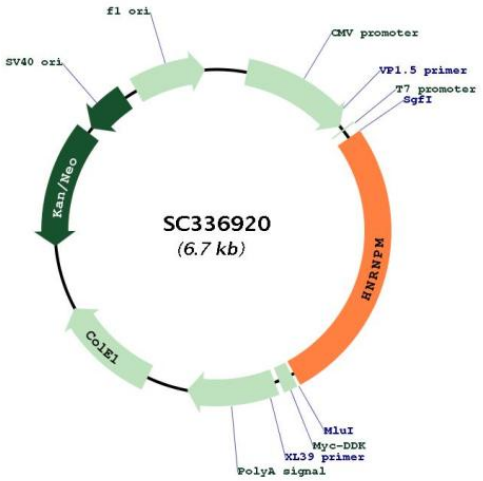
Fully Sequenced ORF:

>SC336920 representing NM_001297418.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGAGAGCATGAAAAAAGCTGCGGAAGTCCTAAACAAGCATAGTCTGAGCGGAAGACCACTGAAA
GTCAAAGAAGATCCTGATGGTGAACATGCCAGGAGAGCAATGCAAAAGGTGATGGCTACGACTGGTGGG
ATGGGTATGGGACCAGGTGGCCCAGGAATGATTACTATCCCACCCAGTATCCTAAATAATCCCAACATC
CCAAATGAGATTATCCATGCATTACAGGCTGGAAGACTTGGAAGCACAGTATTTGTAGCAAATCTGGAT
TATAAAGTTGGCTGGAAGAAACTGAAGGAAGTATTTAGTATGGCTGGTGTGGTGGTCCGAGCAGACATT
CTTGAAGATAAAGATGGAAAAAGTCGTGGAATAGGCACTGTTACTTTTGAACAGTCCATTGAAGCTGTG
CAAGCTATATCTATGTTCAATGGCCAGCTGCTATTTGATAGACCAATGCACGTCAAGATGGATGAGAGG
GCCTTACCAAAAGGAGATTTCTTCCCTCCTGAGCGTCCACAACAACTTCCCCATGGCCTTGGTGGTATT
GGCATGGGGTTAGGACCAGGAGGGCAACCCATTGATGCCAATCACCTGAATAAAGGCATCGGAATGGGA
AACATAGGTCCCGCAGGAATGGAGGGGCCCTTTGGTGGTGGTATGGAAAACATGGGTCGATTTGGATCT
GGGATGAACATGGGCAGGATAAATGAAATCCTAAGTAATGCACTGAAGAGAGGAGAGATCATTGCAAAG
CAGGGAGGAGGTGGAGGTGGAGGAAGCGTCCCTGGGATCGAGAGGATGGGTCCTGGCATTGACCGCCTC
GGGGGTGCCGGCATGGAGCGCATGGGCGCGGGCCTGGGCCACGGCATGGATCGCGTGGGCTCCGAGATC
GAGCGCATGGGCCTGGTCATGGACCGCATGGGCTCCGTGGAGCGCATGGGCTCCGGCATTGAGCGCATG
GGCCCGCTGGGCCTCGACCACATGGCCTCCAGCATTGAGCGCATGGGCCAGACCATGGAGCGCATTGGC
TCTGGCGTGGAGCGCATGGGTGCCGGCATGGGCTTCGGCCTTGAGCGCATGGCCGCTCCCATCGACCGT
GTGGGCCAGACCATTGAGCGCATGGGCTCTGGCGTGGAGCGCATGGGCCCTGCCATCGAGCGCATGGGC
CTGAGCATGGAGCGCATGGTGCCCGCAGGTATGGGAGCTGGCCTGGAGCGCATGGGCCCCGTGATGGAT
CGCATGGCCACCGGCCTGGAGCGCATGGGCGCCAACAATCTGGAGCGGATGGGCCTGGAGCGCATGGGC
GCCAACAGCCTCGAGCGCATGGGCCTGGAGCGCATGGGTGCCAACAGCCTCGAGCGCATGGGCCCTGCC
ATGGGCCCGGCCCTGGGCGCTGGCATTGAGCGCATGGGCCTGGCCATGGGTGGCGGTGGCGGTGCCAGC
TTTGACCGTGCCATCGAGATGGAGCGTGGCAACTTCGGAGGAAGCTTCGCAGGTTCCTTTGGTGGAGCT
GGAGGCCATGCTCCTGGGGTGGCCAGGAAGGCCTGCCAGATATTTGTGAGAAATCTGCCATTCGATTTC
ACATGGAAGATGCTAAAGGACAAATTCAACGAGTGCGGCCACGTGCTGTACGCCGACATCAAGATGGAG
AATGGGAAGTCCAAGGGGTGTGGCGTGGTTAAGTTCGAGTCGCCAGAGGTGGCCGAGAGAGCCTGCCGG
ATGATGAATGGCATGAAGCTGAGTGGCCGAGAGATTGACGTTCGAATTGATAGAAACGCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001297418
Insert Size:	1788 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001297418.1
RefSeq Size:	2540 bp
RefSeq ORF:	1788 bp
Locus ID:	4670
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Spliceosome
MW:	63 kDa

Gene Summary: 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]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform c, which has a shorter N-terminus, compared to isoform a.