

Product datasheet for **SC324624**

HNRPM (HNRNPM) (NM_005968) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPM (HNRNPM) (NM_005968) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRPM
Synonyms:	CEAR; hnRNP M; HNRNPM4; HNRPM; HNRPM4; HTGR1; NAGR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005968.2
 GTGCAGCCCGTTTCGCTCACACAAAGCCAGACGCGGAGAAAATGGCGGCAGGGTTCGAAG
 CGGCGGCGGAGGTGGCGGCGACGGAGATCAAAATGGAGGAAGAGAGCGGCGCGCCCGGCG
 TGCCGAGCGGCAACGGGGCTCCGGGCCCTAAGGGTGAAGGAGAACGACCTGCTCAGAATG
 AGAAGAGGAAGGAGAAAAACATAAAAAGAGGAGGCAATCGCTTTGAGCCATATGCCAATC
 CAACTAAAAGATACAGAGCCTTCATTACAAACATACCTTTTGTATGTAATGGCAGTCAC
 TTAAGAGCCTGGTTAAAGAAAAAGTTGGTGAGGTAACATACGTGGAGCTTTAATGGACG
 CTGAAGGAAAGTCAAGGGGATGTGCTGTTGTTGAATTCAGATGGAAGAGAGCATGAAAA
 AAGCTGCGGAAGTCTAAACAAGCATAGTCTGAGCGGAAGACCACTGAAAAGTCAAAGAAG
 ATCCTGATGGTGAACATGCCAGGAGAGCAATGCAAAAAGGTGATGGCTACGACTGGTGGGA
 TGGGTATGGGACCAGGTGGCCAGGAATGATTACTATCCACCCAGTATCCTAAATAATC
 CCAACATCCCAAATGAGATTATCCATGCATTACAGGCTGGAAGACTTGGAAGCACAGTAT
 TTGTAGCAAATCTGGATTATAAAGTTGGCTGGAAGAACTGAAGGAAGTATTTAGTATGG
 CTGGTGTGGTGGTCCGAGCAGACATTCTTGAAGATAAAGATGGAAAAAGTCGTGGAAATG
 GCACTGTTACTTTTGAACAGTCCATTGAAGCTGTGCAAGCTATATCTATGTTCAATGGCC
 AGCTGCTATTTGATAGACCAATGCACGTCAGATGGATGAGAGGGCCTTACCAAAAAGGAG
 ATTTCTTCCCTCCTGAGCGTCCCAACAACCTTCCCATGGCCTTGGTGGTATTGGCATGG
 GGTTAGGACCAGGAGGGCAACCCATTGATGCCAATCACCTGAATAAAGGCATCGGAATGG
 GAAACATAGTCCCGCAGGAATGGGAATGGAAGGCATAGGATTTGGAATAAATAAATGG
 GAGGAATGGAGGGGCCCTTTGGTGGTGGTATGGAAAACATGGGTGATTTGGATCTGGGA
 TGAACATGGGCAGGATAAATGAAATCCTAAGTAATGCACTGAAGAGAGGAGAGATCATTG
 CAAAGCAGGAGGAGGTGGAGGTGGAGGAAGCGTCCCTGGGATCGAGAGGATGGGTCTG
 GCATTAACCGCTCGGGGTGCCGGCATGGAGCGCATGGGCGCGGGCCTGGGCCACGGCA
 TGGATCGCGTGGGCTCCGAGATCGAGCGCATGGGCTGGTTCATGGACCGCATGGGCTCCG
 TGGAGCGCATGGGCTCCGGCATTGAGCGCATGGGCGCGTGGGCTCGACACATGGCCT
 CCAGCATTGAGCGCATGGGCCAGACCATGGAGCGCATTGGCTCTGGCGTGGAGCGCATGG
 GTGCCGGCATGGGCTTCCGGCCTTGGAGCGCATGGCCGCTCCCATCGACCGTGTGGGCCAGA
 CCATTGAGCGCATGGGCTCTGGCGTGGAGCGCATGGGCCCTGCCATCGAGCGCATGGGCC
 TGAGCATGGAGCGCATGGTGCCCGCAGGTATGGGAGCTGGCCTGGAGCGCATGGGCCCG
 TGATGGATCGCATGGCCACCGCCTGGAGCGCATGGGCGCAACAATCTGGAGCGGATGG
 GCCTGGAGCGCATGGGCGCAACAGCCTCGAGCGCATGGGCTGGAGCGCATGGGTGCCA
 ACAGCCTCGAGCGCATGGGCCCGCCATGGGCCCGGCCCTGGGCGCTGGCATTGAGCGCA
 TGGGCTGGCCATGGGTGGCGGTGGCGGTGCCAGCTTTGACCGTGCCATCGAGATGGAGC
 GTGGCAACTTCGGAGGAAGCTTCGCAGGTTCTTTGGTGGAGCTGGAGGCCATGCTCCTG
 GGGTGGCCAGGAAGGCCTGCCAGATATTTGTGAGAAATCTGCCATTTCGATTTACATGGA
 AGATGCTAAAGGACAAATTAACGAGTGGCGCCACGTGCTGTACGCCGACATCAAGATGG
 AGAATGGGAAGTCCAAGGGGTGTGGTGTGGTTAAGTTCGAGTCGCCAGAGGTGGCCGAGA
 GAGCCTGCCGGATGATGAATGGCATGAAGCTGAGTGGCCGAGAGATTGACGTTCAATTG
 ATAGAAACGCTTAAGCAGTTGCCTTTTTTAACATCGATACGAGACCTCTGAATTTGTAT
 TTTTTCTGTAAACCATTTAATTTGTTGGCTGGATGTATAAAGATGTTTAAAAAATTCA
 GTTGCTTTTTGGGTAATTTGAATTACTTTTTAATGACTGGGGTTCCATTTGACTGTTT
 GCATTGAGATTGCAATGTGCGCAATTTTTTTTGTAGTTGTGGCATCTTGTGACATCGAA
 TATGACTTTGATAATAAATACCGGTTCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005968

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_005968.2 , NP_005959.2
RefSeq Size:	2703 bp
RefSeq ORF:	2547 bp
Locus ID:	4670
UniProt ID:	P52272
Cytogenetics:	19p13.2
Domains:	RRM
Protein Families:	Druggable Genome
Protein Pathways:	Spliceosome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>