

Product datasheet for **RG239026**

HNRPM (HNRNPM) (NM_001297418) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPM (HNRNPM) (NM_001297418) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HNRNPM
Synonyms:	CEAR; hnRNP M; HNRNPM4; HNRPM; HNRPM4; HTGR1; NAGR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG239026 representing NM_001297418.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAAGAGAGCATGAAAAAGCTGCGGAAGTCCTAAACAAGCATAGTCTGAGCGGAAGACCACTGAAA
GTCAAAGAGATCCTGATGGTGAACATGCCAGGAGAGCAATGCAAAGGTGATGGCTACGACTGGTGGG
ATGGGTATGGGACCAGGTGGCCAGGAATGATTACTATCCCACCCAGTATCCTAAATAATCCCAACATC
CCAAATGAGATTATCCATGCATTACAGGCTGGAAGACTTGAAGCACAGTATTTGTAGCAAATCTGGAT
TATAAAGTTGGCTGGAAGAACTGAAGGAAGTATTTAGTATGGCTGGTGGTGGTCCGAGCAGACATT
CTTGAAGATAAGATGGAAGAACTCGTGAATAGGCACTGTTACTTTTGAACAGTCCATTGAAGCTGTG
CAAGCTATATCTATGTTCAATGGCCAGCTGCTATTTGATAGACCAATGCACGTCAAGATGGATGAGAGG
GCCTTACCAAAGGAGATTTCTCCCTCCTGAGCGTCCACAACAACCTCCCCATGGCCTTGGTGGTATT
GGCATGGGGTTAGGACCAGGAGGCAACCCATTGATGCCAATCACCTGAATAAAGGCATCGGAATGGGA
AACATAGTCCCGCAGGAATGGAGGGGCCCTTTGGTGGTGGTATGAAAACATGGGTGATTTGGATCT
GGGATGAACATGGGCAGGATAAATGAAATCCTAAGTAATGCACTGAAGAGAGGAGAGATCATTGCAAAG
CAGGGAGGAGGTGGAGGTGGAGGAAGCGTCCCTGGGATCGAGAGGATGGTCTCGGCATTGACCGCCTC
GGGGTGGCCGATGGAGCGCATGGGCGCGGCCCTGGGCCACGGCATGGATCGCGTGGGCTCCGAGATC
GAGCGCATGGGCCTGGTATGGACCGCATGGGCTCCGTGGAGCGCATGGGCTCCGGCATTGAGCGCATG
GGCCCGCTGGGCCTCGACCACATGGCCTCCAGCATTGAGCGCATGGGCCAGACCATGGAGCGCATTTGGC
TCTGGCGTGGAGCGCATGGGTGCCGGCATGGGCTTCGGCCTTGGAGCGCATGGCCGCTCCCATCGACCGT
GTGGGCCAGACCATGAGCGCATGGGCTCTGGCGTGGAGCGCATGGGCCCTGCCATCGAGCGCATGGGC
GTGAGCATGGAGCGCATGGTGGCCGAGGTATGGAGCTGGCCTGGAGCGCATGGGCCCTGGATGGAT
CGCATGGCCACCGCCTGGAGCGCATGGGCGCCAACAATCTGGAGCGGATGGGCCCTGGAGCGCATGGGC
GCCAACAGCCTCGAGCGCATGGGCTGGAGCGCATGGGTGCCAACAGCCTCGAGCGCATGGGCCCTGCC
ATGGGCCCGCCCTGGGCGCTGGCATTGAGCGCATGGGCTGGCCATGGGTGGCGGTGGCGGTGCCAGC
TTTGACCGTGCCATCGAGATGGAGCGTGGCAACTTCGAGGAAGCTTCGACAGTTCTTTGGTGGAGCT
GGAGGCCATGCTCCTGGGTGGCCAGGAAGCCTGCCAGATATTTGTGAGAAATCTGCCATTGATTTTC
ACATGGAAGATGCTAAAGGACAAATTCAACGAGTGGGCCACGTGCTGTACGCCGACATCAAGATGGAG
AATGGGAAGTCCAAGGGTGTGGCGTGGTTAAGTTCGAGTGGCCAGAGGTGGCCGAGAGAGCCTGCCGG
ATGATGAATGGCATGAAGCTGAGTGGCCGAGAGATTGACGTTTGAATTGATAGAAACGCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG239026
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MEESMKKAAEVLNKHLSGRPLKVKEDPDGEHARRAMQKVMATTGGMGMGPGPGMITIPPSILNPNPI
PNEIIHALQAGRLGSTVFVANLDYKVGWKKLKEVFSMAGVVVRADILEDKDGKSRGIGTVTFEQSIEAV
QAISMFNGQLLFDRPMHVKMDERALPKGDFPPPERPQQLPHGLGGIGMGLGPGGQPIDANHLNKIGIMG
NIGPAGMEGPFGGGMENMGRFSGSMNMGRIEILSNALKRGEIIAKQGGGGGGSVPGIERMGPIDRL
GGAGMERMGAGLGHGMDRVGSEIERMGLVMDRMGSVERMGSIERMGLGLDHMASSIERMGQTMERIG
SGVERMGAGMGFLERMAAPIDRVGQTIERMGSVERMGPATIERMGLSMERMVPAGMGAGLERMGPVMD
RMTGLERMANNLERMGLERMANSLERMGLERMANSLERMGPAMPALGAGIERMGLAMGGGGAS
FDRAIEMERGNFGGSFAGSFGGAGGHAPGVARKACQIFVRNLPDFDFTWKMLKDKFNECGHVLADIKME
NGKSKGCGVVKFESPEVAERACRMMNGMKLSGREIDVRIIDRNA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

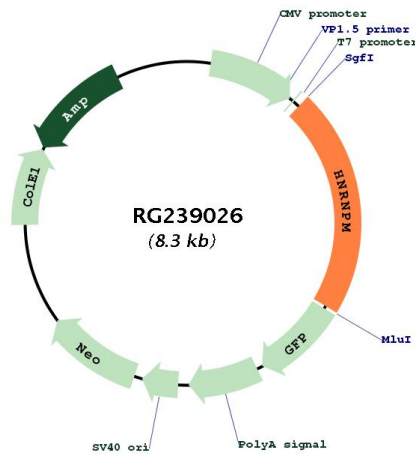
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001297418

ORF Size: 1785 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001297418.2
RefSeq Size:	2540 bp
RefSeq ORF:	1788 bp
Locus ID:	4670
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome
Protein Pathways:	Spliceosome
MW:	63.4 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]