

Product datasheet for SC111639

HNRPH3 (HNRNPH3) (NM_012207) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPH3 (HNRNPH3) (NM_012207) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRPH3
Synonyms:	2H9; HNRPH3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111639 sequence for NM_012207 edited (data generated by NextGen Sequencing)

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ATGGATTGGTTATGAAACATAATGGTCCAAATGACGCTAGTGATGGGACAGTACGACTT
CGTGGACTACCATTTGGTTGCAGCAAAGAGGAAATAGTTCAGTCTTTCAAGGGTTGGAA
ATCGTGCCAAATGGGATAACATTGACGATGGACTACCAGGGGAGAAGCACAGGGGAGGCC
TTCGTGCAGTTTGCTTCAAAGGAGATAGCAGAAAATGCTCTGGGAAACACAAGGAAAGA
ATAGGGCACAGGTATATTGAGATCTTCAGAAGTAGCAGGAGTCAAATCAAAGGATTTTAT
GATCCACCAAGAAGATTGCTGGGACAGCGACCGGGACCATATGATAGACCAATAGGAGGA
AGAGGGGGTTATTATGGAGCTGGGCGTGGAAAGTATGTATGACAGAATGCGACGAGGAGGT
GATGGATATGATGGTGGTTATGGAGTTTTGATGACTATGGTGGCTATAATAATTACGGC
TATGGGAATGATGGCTTTGATGACAGAATGAGAGATGGAAGAGGTATGGGAGGACATGGC
TATGGTGGAGCTGGTGTGCAAGTTCAGTTTTTCATGGTGGTCATTTTCGTACATATGAGA
GGGTTGCCTTTTCGTGCAACTGAAAATGACATTGCTAATTTCTTCTCACCCTAAATCCA
ATACGAGTTCATATTGATATTGGAGCTGATGGCAGAGCCACAGGAGAAGCAGATGTAGAG
TTTGTGACACATGAAGATGCAGTAGCTGCCATGTCTAAAGATAAAAAAACATGCAACAT
CGATATATTGAACTCTTCTTGAATTCTACTCTGGAGGCGGCTCTGGCATGGGAGTTCT
GGAATGGGAGGCTACGGAAGAGATGGAATGGATAATCAGGGAGGCTATGGATCAGTTGGA
AGAATGGGAATGGGGAACAATTACAGTGGAGGATATGGTACTCCTGATGGTTTGGGTGGT
TATGGCCGTGGTGGTGGAGGCAGTGGAGTTACTATGGCAAGGCGGCATGAGTGGAGGT
GGATGGCGTGGGATGTACTGA

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Clone variation with respect to NM_012207.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012207 unedited
 GGTTACATTTGTATACGACTACTATAGGCGGCCGGAATTCGCACGAGGCACCGCTGG
 AGACGGTTGGGAGAACC GTTGTGGCGAGCGCTACACGAGGCAAACGACTTCTCCCTTCTT
 TGAAGTGGACCCCGCAGCACCAGAGTCGGCGTAACTATCGCCTGACAGGGTATCTGAAG
 TAAAAGGGGCATTTAAATCAAACGGTATTGAGATGGATTGGGTTATGAAACATAATGGTC
 CAAATGACGCTAGTGATGGGACAGTACGACTTCGTGGACTACCATTGGTTGCAGCAAAG
 AGGAAATAGTTTCAGTTCTTTCAAGGGTTGAAATCGTGCCAAATGGGATAACATTGACGA
 TGGACTACCAGGGGAGAAGCACAGGGGAGGCCTTCGTGCAGTTTGCTTCAAAGGAGATAG
 CAGAAAATGCTCTGGGAAACACAAAGGAAAGAATAGGGCACAGGTATATTGAGATCTTCA
 GAAGTAGCAGGAGTGAAATCAAAGGATTTTATGATCCACCAAGAAGATTGCTGGGACAGC
 GACCGGGACCATATGATAGACCAATAGGAGGAAGAGGGGGTTATTATGGAGCTGGGCGTG
 GAAGTATGTATGACAGAATGCGACGAGGAGGTGATGGATATGATGGTGGTTATGGAGGTT
 TTGATGACTATGGTGGCTATAATAATTACGGCTATGGGAATGATGGCTNTGATGACAGAA
 TGAGAGATGGAAGAAGTATGGGAGGACATGGCTATGGTGGAGCTGGTATGCAAGTTCAG
 GGTTCATGGTGGTCATTTTCGTCCATATGAGAGGGTGCCTTTTCGTGCAACTGAAATGAC
 ATTGCTATATTCTCTCACCCTAAATCAATACGAGTTTATGATATTGGAGCTGATG
 GCAGAGCCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012207 unedited
 CTATGTAACGCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTATCTCCCACA
 TTGACATTTATTAATAACATTTCTGGCAAACAAGTAACAAGTTCAATAACTGAATTCAC
 ATCAACAGGTTTCATTTTGATCCATTAGCCAATTTGGAAAAAGCCATATTGATCAAAGG
 GATTAATAATAAAGCACCTTTTCCTTGCTACATATAGATTCTTTAAACTAAAACCTCCA
 AGCAGGGATCAGATACAAAACCCAACTGCAGGATTGTTTTTATTGACTATGACATGGACT
 TGTTGCTTACATTTTTTAAAGTCATCATTATACAGTTATTTAAACTCTATTGGGCAGA
 AAAGTAAATAACAATTGTGAGAATTATACTCCATAGTAAATACCTATGTACTTAATACT
 GAATTCCTGTGCTACTGAGAACCCTTAACCTACTCTAAGACATCTTGCGATAACCTGCAA
 CTATCAATTTTTTGGAGACATTTTGGTATTTCCGGTCAAGTGCTGAAGGGGTTTTACTCC
 AAAATCTAAGGCTAGAATTCAGCTTCCAACACTCTCATACCCAGGTAACACAATTATGAA
 TATTCAGAAATCAATACCTCTTAGATCATCAATGTTTCAGAGCTATGCCTGATAAATGAC
 ATTTGAAAAATAAATAATAGAAATAATTAGCTGAATTTATACTCCTGAAGCCACTTCAT
 CTTTATGCTTTATATTTACAGTGTGTCCAGGAGGAACCTAAAGAAAAAGTTACACTAAA
 TATTTGTCAAGCTCTATTCCAGATGTCTGCTTAAGACTTGCAAGTTTACGCAGAGGTGAAC
 CATTATTCTCTAAATTACACACTACCTCTGGAGAATAATAGTAAATACATCAACCCAA
 TCCTATGAAGCGCCATCTTTAGAGTACTAGTTATAAAAAGTTCACCCTCGGGTTGAATTTA
 AATTATTTTAGTCAAGCTGCACAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_012207

Insert Size:

2500 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_012207.1](#), [NP_036339.1](#)

RefSeq Size: 2316 bp

RefSeq ORF: 1041 bp

Locus ID: 3189

UniProt ID: [P31942](#)

Cytogenetics: 10q21.3

Domains: RRM

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 two repeats of quasi-RRM domains that bind to RNAs. It is localized in nuclear bodies of the nucleus. This protein is involved in the splicing process and it also participates in early heat shock-induced splicing arrest by transiently leaving the hnRNP complexes. Several alternatively spliced transcript variants have been noted for this gene, however, not all are fully characterized. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2H9) encodes the longest isoform (a). Variants 2H9, 3, 4, and 5 all encode the same isoform (a).