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Product datasheet for SC109315

HNRPH3 (HNRNPH3) (NM_021644) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPH3 (HNRNPH3) (NM_021644) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRPH3
Synonyms:	2H9; HNRPH3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021644, the custom clone sequence may differ by one or more nucleotides

ATGGATTGGGTTATGAAACATAATGGTCCAAATGACGCTAGTGATGGGACAGTACGACTTCGTGGACTAC
CATTTGGTTGCAGCAAAGAGGAAATAGTTCAGTTCTTTCAAGGGTTGGAAATCGTGCCAAATGGGATAAC
ATTGACGATGGACTACCAGGGGAGAAGCACAGGGGAGGCCTTCGTGCAGTTTGCTTCAAAGGAGATAGCA
GAAAATGCTCTGGGGAAACACAAGGAAAGAATAGGGCACAGGTATATTGAGATCTTCAGAAGTAGCAGGA
GTGAAATCAAAGGATTTTATGATCCACCAAGAAGATTGCTGGGACAGCGACCGGGACCATATGATAGACC
AATAGGAGGAAGAGGGGGTTATTATGGAGCTGGGCGTGGAAGTTATGGAGGTTTTGATGACTATGGTGGC
TATAATAATTACGGCTATGGGAATGATGGCTTTGATGACAGAATGAGAGATGGAAGAGGTATGGGAGGAC
ATGGCTATGGTGGAGCTGGTGATGCAAGTTCAGGTTTTCATGGTGGTCATTTCGTACATATGAGAGGGTT
GCCTTTTCGTGCAACTGAAAATGACATTGCTAATTTCTTCTCACCACTAAATCCAATACGAGTTCATATT
GATATTGGAGCTGATGGCAGAGCCACAGGAGAAGCAGATGTAGAGTTTGTGACACATGAAGATGCAGTAG
CTGCCATGTCTAAAGATAAAAATAACATGCAACATCGATATATTGAACTCTTCTTGAATTCTACTCCTGG
AGGCGGCTCTGGCATGGGAGGTTCTGGAATGGGAGGCTACGGAAGAGATGGAATGGATAATCAGGGAGGC
TATGGATCAGTTGGAAGAATGGGAATGGGGAACAATTACAGTGGAGGATATGGTACTCCTGATGGTTTGG
GTGGTTATGGCCGTGGTGGTGGAGGCAGTGGAGGTTACTATGGGCAAGGCGGCATGAGTGGAGGTGGATG
GCGTGGGATGTACTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021644 unedited
TTATAGGGCGGCCGCGAATTCGGCACGAGGCTTTATTAAAAGTATATTACCTATTAAAGT
TTGTTTAAATCTATTTGATTAAAAATTTGAGTAAACTGGTTTCTAAACACTGTCTCCAGT
GGCTTCAAAAACACAGGTACTGTTGGAAGGCATTCACTTTTGAGTGGCCTTTGACCTCAG
TTTTAATCTGATTAATTCAGTCATTTTATAATCTTGCTCTTGGTGAGTTTAAACTAGATT
TGGCTAAAATAGAGGTGGGAGTGTTGGCCCTTCAAAGACAGTTTGATGTGTTCAAAATTG
TAGTGCATTTAAAAGGGTTAGACTTCTGTGATATTTGTCCAACGTCAATCAGTACTCATT
GCATTTTTTTACTTAGGCTCTTGATGTTAGTGGATACTGGTATTATATGCAACTTCTGAA
TAAGTTNTAAAGAATTTGAATAATCAGTTGAATAAAAACCTGAAAAGTGGTGAATGAAAA
TTTGAGAGATAAGGAAAGGCTAGAGTTGGCATTCAGGGGACACAAATAGTTTGAAGACTC
TGGTAGTAGAAATTATGCAGTTTTNCTAAAATTANNGCATATATAATATTGATACTACGA
NATTCAGTACTTTTCCGTANGAGGNGGTCAGGTCTCATTGCCTTTTCCGTACCCCAAATA
TGAAAGGTGGGTCTACATTNTGTGTGGCATGTCACAGCAGTTGGCCCCATGTTACATTTN
CTCTTGTTGCACCTCTGANAAGTGTTTCTTTCATACCCTCTGAACAGATATATTTTGATC
GACTGCTCTATGGGCTGTTAATTTTTATAGCATTTACTCAAACGGGATGAGATGGATTGG
GTTATGAAACATATGGTNCAATGACCCTAGTGATGGGACAGTACGACTTCGTGGACTACC
ATTTGGNTGCAGCAAGAAGAAAAAGNTCAGTCCTTTCAGGCACCTCTAGATAGNCAAGNN
TAGAGGATGGAATTATATTNGATGGNTNACTGGNTTAATNGCAAACCCATTGATTTGACT
TNNNAGTACATGAAAGCTGGGNTACGAATAAACATATGCTCAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021644 unedited
CCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGGTTGAATATAAAAAT
TTATTTTTAAGTCAAAGTATGCAACAAATAAACCTACAGAAAACATTTTCCCATCACAAT
CTGTTGCTTTACCAAATAATATTTTGAAAACACATTCCTTCAGTCATTATAAAGTTCTTA
AAATACAAAAGAAATTAAATCTGTAAGAAAGTCTAGTAGACCAGATGCTGTTGTCAAGAC
TTGTATGTTGGTGTTTTTGCTTTCAGTACATCCCACGCCATCCACCTCCACTCATGCCGC
CTTGCCCATAGTAACCTCCACTGCCTCCACCACCACGGCCATAACCACCCAAACCATCAG
GAGTACCATATCCTCCACTGTAATTGTTCCCCATTCCCATTCTTCCAACTGATCCATAGC
CTCCCTGATTATCCATTCCATCTCTTCCGTAGGCTCCCATTCCAGAACCTCCCATGCCAG
AGCCGCCTCCAGGAGTAGAATTCAAGAAGAGCTCAATATATCGATGTTGCATGCTATTCT
TATCTTTAGACATGGCAGCTACTGCATCTTCATGTGACACAAACTCTACATCTGCCTCTC
CTGTGGCTCTGCCATCAGCTCCCATATACATATGAACCCGAGATTGGGATTAGCGGCGGA
CAGAAATTACGCACGCGCTCTCGCAGGGAGCGAAAAGGCGACGCTCTGATATGTACGGAA
GGACCCCCATGATAACCTGGACCTGCGTGCAGAAGTGACACCTTAGGCTGGGGTCGCCTA
CGCAGAGCGTTTCTGCTTGTTGGGCAGAAGGAGCTCGTAGCCTTACCCGCGATCGCTTTC
CGCCCCTCTCCGGCGTGACCCACGTTCGCCGCCCTATTTCGCTCGCCTGGCGCGCGGGAT
TGGGACGTACTTCGCGCCACGCCGCACGGCTACATAACCGCTTTGCTCTCT

Restriction Sites: NotI-NotI

ACCN: NM_021644

Insert Size: 3090 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_021644.1, NP_067676.1
RefSeq Size:	2382 bp
RefSeq ORF:	2382 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 (2H9A) uses an alternative donor splice site at one of the internal coding exons compared to transcript variant 2H9. However, it maintains the reading frame and encodes an isoform (b) that is missing a 15 aa segment compared to isoform a. Variants 2H9A, 6, 7, 8, and 9 all encode the same isoform (b).