

Product datasheet for SC116705

HNRPH1 (HNRNPH1) (NM_005520) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPH1 (HNRNPH1) (NM_005520) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRPH1
Synonyms:	hnRNPH; HNRPH; HNRPH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116705 sequence for NM_005520 edited (data generated by NextGen Sequencing)

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ATGATGTTGGGCACGGAAGGTGGAGAGGGATTCGTGGTGAAGGTCGGGGCTTGCCTGG
TCTTGCTCGGCCGATGAAGTGCAGAGGTTTTTTCTGACTGCAAAATTCAAAATGGGGCT
CAAGGTATTCGTTTCATCTACACCAGAGAAGGCAGACCAAGTGGCGAGGCTTTTGTGAA
CTTGAATCAGAAGATGAAGTCAAATGGCCCTGAAAAAGACAGAGAACTATGGGACAC
AGATATGTTGAAGTATTCAAGTCAAACAACGTTGAAATGGATTGGGTGTTGAAGCATACT
GGTCCAAATAGTCCTGACACGGCCAATGATGGCTTTGTACGGCTTAGAGGACTTCCCTTT
GGATGTAGCAAGGAAGAAATTGTTCAAGTCTTCTCAGGGTTGAAATCGTGCCAAATGGG
ATAACATTGCCGGTGGACTTCCAGGGGAGGAGTACGGGGGAGGCCTTCGTGCAGTTTGCT
TCACAGGAAATAGCTGAAAAGGCTCTAAAGAAACACAAGGAAAGAATAGGGCACAGGTAT
ATTGAAATCTTTAAGAGCAGTAGAGCTGAAGTTAGAACTCATTATGATCCACCACGAAAG
CTTATGGCCATGCAGCGGCCAGGTCCTTATGACAGACCTGGGGCTGGTAGAGGGTATAAC
AGCATTGGCAGAGGAGCTGGCTTTGAGAGGATGAGGCGTGGTGCTTATGGTGGAGGCTAT
GGAGGCTATGATGATTACAATGGCTATAATGATGGCTATGGATTTGGGTGAGATAGATTT
GGAAGAGACCTCAATTAAGTGTGTTTTCAGGAATGTCTGATCACAGATACGGGGATGGTGGC
TCTACTTCCAGAGCACAAACAGGACACTGTGTACACATGCGGGGATTACCTTACAGAGCT
ACTGAGAATGACATTTATAATTTTTTTTCCACCGCTCAACCCTGTGAGAGTACACATTGAA
ATTGGTCTGATGTCAGAGTAAGTGGTGAAGCAGATGTCGAGTTCGCAACTCATGAAGAT
GCTGTGGCAGCTATGTCAAAGACAAAGCAAATATGCAACACAGATATGTAGAACTCTTC
TTGAATTTACAGCAGGAGCAAGCGGTGGTGTGCTTACGAACACAGATATGTAGAACTCTTC
TTGAATTTACAGCAGGAGCAAGCGGTGGTGTGCTTATGGTAGCCAAATGATGGGAGGCATG
GGCTTGTCAAACAGTCCAGCTACGGGGGCCAGCCAGCCAGCAGCTGAGTGGGGTTAC
GGAGGCGGCTACGGTGGCCAGAGCAGCATGAGTGGATACGACCAAGTTTTACAGGAAAAC
TCCAGTGATTTTCAATCAAACATTGCATAG

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Clone variation with respect to NM_005520.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005520 unedited</p> <pre>CCTTTCCGATTTGTATACGTTTCACTATAGGCGGCCGGAATTCGCACGAGGCAGAAGTC GCGTGTCTAGGTGAGTCGCGGTGGGTCCTCGCTTGCAGTTCAGCGACCACGTTTGTTCG ACGCCGGACCCGTAAGAGACGATGATGTTGGGCACGGAAGTGGAGAGGGATTCGTGGT GAAGGTCGGGGCTTGCCTGGTCTTGCCTGGCCGATGAAGTGCAGAGGTTTTTTCTGA CTGCAAAATTCAAAATGGGGCTCAAGGTATTCGTTTCATCTACACCAGAGAAGGCAGACC AAGTGGCGAGGCTTTTGTGAACTTGAATCAGAAGATGAAGTCAAATTTGGCCCTGAAAA AGACAGAGAAACTATGGGACACAGATATGTTGAAGTATTCAAAGTCAAACAACGTTGAAAT GGATTGGGTGTTGAAGCATACTGGTCCAAATAGTCTGCACGCGCAATGATGGCTTTGT ACGGCTTAGAGGACTTCCCTTTGGATGTAGCAAGGAAGAAATGTTTCAGTCTTCTCAGG GTTGAAATCGTGCCAAATGGGATAACATTGCCGGTGGACTTCCAGGGGAGGAGTACGGN GGAGGCCCTTCGTGCAGTTTGCTTACAGGAAATAGCTGAAAAAGGCTCTAAAGAAACACA AGGAAAGAATAGGGCACAGGTATATTGAAATCTTAAGAGCAGTAGAGCTGAAGTTAGAA CTCATTATGATCCACCACGAAAGCTTATGCCCATGCAGCGGCCAGGTCTTATGACAGAC CCTGGGCTGGTAGAGGTATAACAGCATTGGCAGAAGAGCTGGCTCTGAGAGATGAGGCC TGTGCTAATGGTGGAGCTATGGAGCTATGAGATACATGGCTATATGAGGCTAGGT</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005520 unedited</p> <pre>CCGCGGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGCAGTTTTTAAAAGGAGG ATTTATTTGACAAGTTTCACTTAGCGCAATATACCTAAAAGGAAATCACAATACAATGAA AGATTTAAATCAAGGCCCTCAGAATTTATACAAACACCAAGACCAAAAATCCTAAGTATTG GTATTGCGTCTCAAATTTTTCCCATTAACCTAAAAAAAAAAAAAGCTTAACTTACGTGC CTTACAGGTTATTAATGAAACTAGAATTAACAAACATGCCAAAATGTTTCACTTTTAAT AGTAGACACAGCTCCTATATTGTTTTACAAAAAATAAAAGCATGTCTTCAACATGCAT CCAAAACAGTGTTCAATTTAACGTGGCAAAGGGCAACATTTAACATAATCAACTGCTTT TACCTAAATACGCTTACTGCTTAAGTACATCCTATAACTAACTTGAGAAAAGCTGGAAC TAAGTTTAAACAGTTATAGTTTACTCAGCTTCACTGTTACATCCTAGATGAGTATTGTATT CAAAAATACTGGGCCTTAAGTCTTATAACAATCCTGATTTCCACTTAGAGTAAGCATAA ATCACAAGCTTGATTGCAGAACTGTTAACTGAAAGTTTCTTAAAGANAAAAAAAAAAAA AAAAAAAAAGGTTGACCAAGAGTCAGTGATCAGGATCGATCAATTACATTCCTCCAC CACTCATACTGGACATGCTAGACAACCCCTCCCATTCGGTTCACGCCCATAAATGCCCGCC TTCCACTACTGTAGGAGCCTGCTGCTCACTGCTCCTTGGTACTTATGCATGTTTGATTGGA AATCACTGAAGTTTCTGTAAAACCTGGTCGGATCCCTCATGCTGTTTTGGCCACCTTAAC CCCCTCCTTACCCCT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005520
Insert Size:	2570 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_005520.1](#), [NP_005511.1](#)

RefSeq Size: 2201 bp

RefSeq ORF: 1350 bp

Locus ID: 3187

UniProt ID: [P31943](#)

Cytogenetics: 5q35.3

Domains: RRM

Gene Summary: This gene encodes a member of a subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA. 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 may 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 RNA and is very similar to the family member HNRPF. This gene may be associated with hereditary lymphedema type I. Alternatively spliced transcript variants have been described [provided by RefSeq, Mar 2012]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).