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Product datasheet for SC113262

HNRPH2 (HNRNPH2) (NM_019597) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPH2 (HNRNPH2) (NM_019597) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRPH2
Synonyms:	FTP3; hnRNPH'; HNRPH'; HNRPH2; MRXSB; NRPH2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC113262 sequence for NM_019597 edited (data generated by NextGen Sequencing)

ATGATGCTGAGCACGGAAGGCAGGGAGGGGTTCGTGGTGAAGGTCAGGGGCCTACCCTGG
TCCTGCTCAGCCGATGAAGTGATGCGCTTCTTCTCTGATTGCAAGATCCAAAATGGCACA
TCAGGTATTCGTTTCATCTACACCAGAGAAGGCAGACCAAGTGGTGAAGCATTTGTTGAA
CTTGAATCTGAAGAGGAAGTGAAATTGGCTTTGAAGAAGGACAGAGAAACCATGGGACAC
AGATACGTTGAAGTATTCAAGTCTAACAGTGTTGAAATGGATTGGGTGTTGAAGCATACA
GGTCCGAATAGCCCTGATACTGCCAACGATGGCTTCGTCCGGCTTAGAGGACTCCCATTT
GGCTGTAGCAAGGAAGAGATTGTTCAGTTCTTTTCAGGGTTGGAAATTGTGCCAAATGGG
ATGACACTGCCAGTGGACTTTCAGGGGCGAAGCACAGGGGAAGCCTTTGTGCAGTTTGCT
TCACAGGAGATAGCTGAGAAGGCCTTAAAGAAACACAAGGAAAGAATAGGGCACAGGTAC
ATTGAGATCTTCAAGAGTAGCCGAGCTGAAGTTCGAACCCACTATGATCCCCCTCGAAAG
CTCATGGCTATGCAGCGGCCAGGTCCCTATGATAGGCCGGGGGCTGGCAGAGGGTATAAT
AGCATTGGCAGAGGAGCTGGGTTTGAAAGGATGAGGCGTGGTGCCTATGGTGGAGGGTAT
GGAGGCTATGATGACTATGGTGGCTATAATGATGGATATGGCTTTGGGTCTGATAGATTT
GGAAGAGACCTCAATTACTGTTTTTCAGGAATGTCTGATCATAGATACGGAGATGGTGGG
TCCAGTTTCCAGAGCACCACAGGGCACTGTGTACACATGAGGGGGTTACCTTACAGAGCC
ACTGAGAATGATATTTATAATTTCTTCTCACCTCTTAATCCCATGAGAGTACATATTGAA
ATTGGACCCGATGGCAGAGTTACCGGTGAGGCAGATGTTGAATTTGCTACTCATGAAGAT
GCTGTGGCAGCTATGGCAAAAGACAAAGCTAATATGCAACACAGATATGTGGAGCTCTTC
TTAAATTCTACTGCAGGAACAAGTGGGGGTGCTTACGATCACAGCTATGTAGAACTTTTT
TTGAATTCTACAGCAGGGGCAAGTGGTGGCGCTTATGGTAGCCAAATGATGGGAGGGATG
GGCTTATCCAACCAGTCTAGTTATGGAGGTCCTGCTAGCCAGCAGCTGAGTGGTGGTTAT
GGAGGTGGTTATGGTGGTCAGAGCAGTATGAGTGGATATGACCAAGTTCTGCAGGAAAAT
TCCAGTGACTATCAGTCAAACCTTGCTTAG

Clone variation with respect to NM_019597.4
1320 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_019597 unedited
GGATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGTTCTGGTCG
TCGTCTACCGTCTCGCTATAGCCGTTTGAGGGAAGAAGGAGGAAAATTACCCGCTACACC
AAAATTGCATTGAGCCAAACTTGCCACCAAGAGCCCAACAATCACCATGATGCTGAGCAC
GGAAGGCAGGGAGGGGTTCGTGGTGAAGGTCAGGGGCCTACCCTGGTCCTGCTCAGCCGA
TGAAGTGATGCGCTTCTTCTCTGATTGCAAGATCCAAAATGGCACATCAGGTATTCGTTT
CATCTACACCAGAGAAGGCAGACCAAGTGGTGAAGCATTTGTTGAACTTGAATCTGAAGA
GGAAGTGAAATTGGCTTTGAAGAAGGACAGAGAAACCATGGGACACAGATACGTTGAAGT
ATTCAAGTCTAACAGTGTTGAAATGGATTGGGTGTTGAAGCATACAGGTCCGAATAGCCC
TGATACTGCCAACGATGGCTTCGTCCGGCTTAGAGGACTCCCATTTGGCTGTAGCAAGGA
AGAGATTGTTCAGTTCTTTTCAGGGTTGGAAATTGTGCCAAATGGGATGACACTGCCAGT
GGACTTTCAGGGGCGAAGCACAGGGGAAGCCTTTGTGCAGTTTGCTTCACAGGAGATAGC
TGAGAAGGCCTTAAAGAAACACAAGGAAAGAATAGGGCACAGGTACATTGAGATCTTCAG
AGTAGCCGAGCTGAAGTCGAACCACTATGATCCCNCTCGAAGCTCATGCTATGCAGCGGC
CAGTCCCAAGATAGGCCGGGGCTGCAGAGGTATATANCATTGCAGAGAGCTGGTTTGAAG
ATGAGCGTGTGCTATGGTGAGGTATGAGCTATAGACTATGGGCATATGAGGAATGCCTTT
GGCCGAAAATTGGAGGACTCATACTGTTTTCAGAGT

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_019597 unedited
TATGGAACGCGGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTCTCCACCTT
TTAAAAGGAAGATTTATTTAACAAGTTTCACTTAGTACAATACATCTAAATGGAAATCAC
AATACAAGGAAAGATTTAAACCAAAGCCTCAGATTTTCATACAAACGACACGACCAAACT
TCTAAAGTATTGGTATTACATCTTAAAATTGTCCCGTATCCTTAAAAAAAAAAAAAGTGT
ACACTCACGTGCCTTACAGGATATTAAACCAAAAAGCTAGAATTAACAAACATGCCAAAT
GTTTTCACTTTGAATCGTAAACACAGCTCCTATATTTGAGTTTTACAGAAAGGCATGTTT
CTCAACATGCATCCGAAGTTTTCAATGTATTTGGGGTATAAGAGCAACATTTAACATAAG
GGAAACTGCATTAACCTAAATACGCTTACTGCTTAGGTACACTCCTACAACATAACTAAC
TTGAGGAAAGCTAAAAATTGTTTTAACAGTTATGGTCAATACTGAACTTTGTTATTATGT
CCTAGATGAATGTTTCAGTGTTCAAAATTACTGAGCTTGAAGTTTTAAAATAATCCCAAC
TTCCACTTTACAGTAAGCATGAATCACAAGCCCTGTATGCAAAACTGGTAAACTTAACTC
GTTTTTTTAAAAAGGCGCAAGATCGATTAAGAAGAGACCCCGCCCAGAGGGTTAGATTAA
TTTTTTTCCCATTTACCAATCTACTGATATACTAAACATCCTCCCATTTTATTAAACTCC
CAAATGACCAGCTTTAAACCCGGGAGAGCTATCTAACGCCCCTTTTTACCAACCAAGTTG
ACCGGAGTACCTGGAATTTCCTGGAAAATTGGGATAATCCCCCTCCGGTTTGACCCAACA
CCCCCCCTAACACCCTCATGTGGCTTAAGAACTCTATACAACCGGTAGAAAACCATCCCC
CATAT
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Restriction Sites: NotI-NotI

ACCN: NM_019597

Insert Size: 2440 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_019597.3, NP_062543.1

RefSeq Size: 2327 bp

RefSeq ORF: 1350 bp

Locus ID: 3188

UniProt ID: P55795

Cytogenetics: Xq22.1

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 three repeats of quasi-RRM domains that binds to RNAs. It is very similar to the family member HNRPH1. This gene is thought to be involved in Fabray disease and X-linked agammaglobulinemia phenotype. Alternative splicing results in multiple transcript variants encoding the same protein. Read-through transcription between this locus and the ribosomal protein L36a gene has been observed. [provided by RefSeq, Jan 2011]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.