

## Product datasheet for **RC234131**

### **HNRPH1 (HNRNPH1) (NM\_001257293) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HNRPH1 (HNRNPH1) (NM_001257293) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HNRPH1
Synonyms:	hnRNPH; HNRPH; HNRPH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234131 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGTTGGGCACGGAAGGTGGAGAGGGATTCGTGGTGAAGGTCGGGGCTTGCCTGGTCTTGCTCGG  
 CCGATGAAGTGCAGAGGTTTTTCTGACTGCAAATTCAAAATGGGGCTCAAGGTATTCGTTTCATCTA  
 CACCAGAGAAGGCAGACCAAGTGCCGAGGCTTTTGTGAACCTGAATCAGAAGATGAAGTCAAATGGCC  
 CTGAAAAAAGACAGAAACTATGGGACACAGATATGTTGAAGTATTCAAGTCAAACAACGTTGAAATGG  
 ATTGGGTGTTGAAGCATACTGGTCCAAATAGTCTGACACGGCCAATGATGGCTTTGTACGGCTTAGAGG  
 ACTTCCCTTTGGATGTAGCAAGGAAGAAATTTTCAGTCTTCTCAGGGTTGAAATCGTGCCAAATGGG  
 ATAACATTGCCGGTGGACTTCCAGGGGAGGAGTACGGGGAGGCCTTCGTGCAGTTTGCTTACAGGAAA  
 TAGCTGAAAAGGCTCTAAAGAAACACAAGGAAAGAATAGGGCACAGGTATATTGAAATCTTAAAGAGCAG  
 TAGAGCTGAAGTTAGAACTCATTATGATCCACCACGAAAGCTTATGGCCATGCAGCGGCCAGGTCCTTAT  
 GACAGACCTGGGGCTGGTAGAGGTATAACAGCATTGGCAGAGGAGCTGGCTTTGAGAGGATGAGGCGTG  
 GTGCTTATGGTGGAGGCTATGGAGGCTATGATGATTACAATGGCTATAATGATGGCTATGGATTTGGGTC  
 AGATAGATTTGGAAGAGACCTCAATTAAGTGTGTTTTCAGGAATGTCTGATCACAGATACGGGGATGGTGGC  
 TCTACTTTCCAGAGCACAAACAGGACACTGTGTACACATGCGGGGATTACCTTACAGAGCTACTGAGAATG  
 ACATTTATAATTTTTTCCACCGCTCAACCCTGTGAGAGTACACATTGAAATTTGGTCTGATGGCAGAGT  
 AACTGGTGAAGCAGATGTCGAGTTCGAACTCATGAAGATGCTGTGGCAGCTATGTCAAAGACAAAAGCA  
 AATATGCAACACAGATATGTAGAACTCTTCTTGAATTCACAGCAGGAGCAAGCGGTGGTCTTACGAAC  
 ACAGATATGAGAACTCTTCTTGAATTCACAGCAGGAGCAAGCGGTGGTCTTATGGTAGCCAAATGAT  
 GGGAGGCATGGGCTTGTCAAACCAAGTCCAGCTACGGGGGCCAGCCAGCCAGCAGCTGAGTGGGGTTAC  
 GGAGGCGCTACGGTGGCCAGAGCAGCATGAGTGGATACGACCAAGTTTTACAGGAAAACCTCAGTGATT  
 TTCAATCAAACATTGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234131 protein sequence  
 Red=Cloning site Green=Tags(s)

MMLGTEGEGFVVKVRGLPWSCSADEVQRFFSDCKIQNGAQGIRFIYTREGRPSGEAFVELESEDEVKLA  
 LKKDRETMGHRYVEVFKSNNVEMDWLKHGPNPDTANDGFVRLRGLPFGCSKEEIVQFFSGLEIVPNG  
 ITLPVDFQGRSTGEAFVQFASQIEAEKALKKKKERIGHRYIEIFKSSRAEVRTHYDPPRKLMMQRP  
 DRPGAGRGYNSIGRGAGFERMRRGAYGGYGGYDDYNGYNDGYGFGSDRFGRDLNYCFSGMSDHRYGDGG  
 STFQSTTGHCVHMRGLPYRATENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEFATHEDAVAAMSKDKA  
 NMQHRYVELFLNSTAGASGGAYEHRYVELFLNSTAGASGGAYGSQMMGMGLSNQSSYGGPASQQLSGGY  
 GGGYGGQSSMSGYDQVLQENSSDFQSNIA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6085\\_f02.zip](https://cdn.origene.com/chromatograms/mk6085_f02.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001257293

**ORF Size:** 1347 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).

**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\\_001257293.2](#)

**RefSeq Size:** 2304 bp

**RefSeq ORF:** 1350 bp

**Locus ID:** 3187

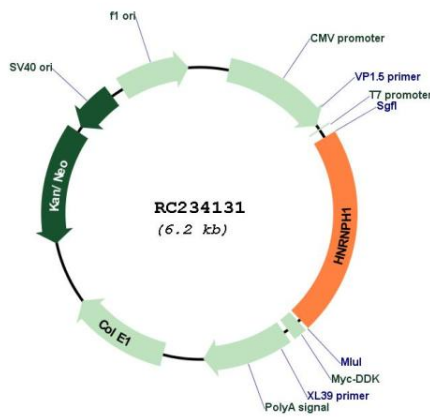
**UniProt ID:** [P31943](#)

**Cytogenetics:** 5q35.3

**MW:** 49.2 kDa

**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]

**Product images:**



Circular map for RC234131