

## Product datasheet for **SC314118**

### hnRNP L (HNRNPL) (NM\_001533) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP L (HNRNPL) (NM_001533) Human Untagged Clone
Tag:	Tag Free
Symbol:	hnRNP L
Synonyms:	hnRNP-L; HNRPL; P/OKcl.14
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

```
>OriGene sequence for NM_001533 edited
TCTGCGCCGCATGTCGCGGAGGCTGCTGCCCCGGGCGGAGAAGCGGCGTCGGCGGCTGG
AGCAGAGGCAGCAGCCGGACGAGCAGCGGAGGCGGTGGGAGCGATGGTGAAGATGGCGG
CGGCGGGCGGGAGGCGGCGGTGGCCGCTACTACGGCGGCGCAGTGAGGGCGGCGGGG
CCCCTAAGCGGCTCAAGACTGACAACGCCGGCGACCAGCACGGAGGCGGCGGCGGTGGCG
GTGGAGGAGCCGGGGCGGCGGGCGGCGGCGGTGGGGAAGTACGATGACCCGCACA
AAACCCCTGCCCTCCCAGTTGTCCACATCAGGGGCTGATTGACGGTGTGGTGAAGCAG
ACCTTGTGGAGGCTTGCAGGAGTTTGGACCCATCAGCTATGTGGTGGTAAATGCCTAAAA
AGAGACAAGCACTGGTGGAGTTTGAAGATGTGTTGGGGCTTGAACGCAGTGAAGTACG
CAGCCGACAACCAATATACATTGCTGGTCAACCAGCTTTTGTCAACTACTCTACCAGCC
AGAAGATCTCCCGCCCTGGGACTCGGATGACTCCCGAGCGTGAACAGTGTGCTTCTCT
TTACCATCTGAACCCATTTATTCGATCACCACGGATGTTCTTTACACTATCTGTAATC
CTTGTGGCCCTGTCCAGAGAATTGTCATTTTCAGGAAGAATGGAGTTCAGGCGATGGTGG
AATTTGACTCAGTCAAAGTGCCAGCGGGCCAAGGCCTCTCTCAATGGGGCTGATATCT
ATTCTGGCTGTTGCACTCTGAAGATCGAATACGAAAGCCTACACGCTTGAATGTGTTCA
AGAATGATCAGGATACTTGGGACTACACAAACCCCAATCTCAGTGGACAAGGTGACCCCTG
GCAGCAACCCCAACAAACGCCAGAGGCAGCCCCCTCTCCTGGGAGATCACCCCGCAGAAT
ATGGAGGGCCCCACGGTGGGTACCACAGCCATTACCATGATGAGGGCTACGGGCCCCCC
CACCTACTACGAAGGGAGAAGGATGGGTCCACCAGTGGGGGGTACCCGTGCGGGCCCAA
GTGCGTACGGCCCCAGTATGGGCACCCCCACCCCTCCCCACCACCCGAGTATGGCC
CTCACGCCGACAGCCCTGTGCTCATGGTCTATGGCTTGGATCAATCTAAGATGAAGTGTG
ACCGAGTCTTCAATGTCTTCTGCTTATATGGCAATGTGGAGAAGGTGAAATTCATGAAAA
GCAAGCCGGGGGCCCATGGTGGAGATGGTGTGATGGCTACGCTGTAGACCGGGCCATTA
CCACCTCAACAACAACCTTCATGTTTGGCAGAAGCTGAATGTCTGTGTCTCCAAGCAGC
CAGCCATCATGCCTGGTCACTACAGGTTGGAAGACGGGTCTTGCAGTTACAAAGACT
TCAGTGAATCCCGGAACAATCGGTTCTCCACCCAGAGCAGGCAGCCAAGAACCAGCATCC
AGCACCCAGCAACGTGCTGCACCTTCTCAACGCCCGCTGGAGGTGACCGAGGAGAACT
TCTTTGAGATCTGCGATGAGCTGGGAGTGAAGCGGCCATCTTCTGTGAAAGTATTCTCAG
GCAAAAGTGAGCGCAGCTCCTCTGGACTGCTGGAGTGGGAATCCAAGAGCGATGCCCTGG
AGACTCTGGGCTTCTGAACCATTACCAGATGAAAAACCCAAATGGTCCATACCTTACA
CTCTGAAGTTGTGTTTCTCCACTGCTCAGCACGCCTCCTAATTAGGTGCCTAGGAAGAGT
CCCATCTGAGCAGGAAGACATTTCTCTTTCCTTTATGCCATTTTTGTTTTGTTATTTG
CAAAGATCTTGTATTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATGCTAGGTTTGTG
GAGGCTTACTTAACCTTAATGGAACGCTGAAATCTGCAGGGGGAGGGAGGGGAACT
GTTATCTCCCAAGATTAACCTTCACTTTTAAAAAATTATTGGACATGTGATTTTTTTTTT
TCCTGTTCAAACATTTGTGCTGCCATGTACTCTTGGCACATTTCAATAAAATTTGTTGG
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001533 unedited  
 GACAGAATTTGTAATACGACTCACTATAGGGGCGGCCGGAATTCGCACGAGGCTGCGCC  
 GCCATGTGCGGGAGGCTGCTGCCCGGGCGGAGAAGCGGCGTCGGCGGCTGGAGCAGAGG  
 CAGCAGCCGGACGAGCAGCGGAGCGGTGCGGAGCGATGGTGAAGATGGCGGCGGGCGGC  
 GGCGGAGCGGCGGTGGCCGCTACTACGGCGCGGCAGTGAGGGCGGCCGGGCCCTAAG  
 CGGCTCAAGACTGACAACGCCGGCGACCAGCACGAGGCGGCGGCGGTGGCGGTGGAGGA  
 GCCGGGGCGGCGGGCGGCGGCGGTGGGGAGAACTACGATGACCCGCACAAAACCCCT  
 GCCTCCCCAGTTGTCCACATCAGGGGCTGATTGACGGTGTGGTGAAGCAGACCTTGTG  
 GAGGCCTTGCAGGAGTTTGGACCATCAGCTATGTGGTGAATGCCTAAAAAGAGACAA  
 GCACTGGTGGAGTTTGAAGATGTGTTGGGGCTTGCAACGCAGTGAACACGCAGCCGAC  
 AACCAAATATACATTGCTGGTCACCCAGCTTTTGTCAACTACTCTACCAGCCAGAAGATC  
 TCCCGCCTGGGACTCGGATGACTCCCGGAGCGTGAACAGTGTGCTTCTTTACCATC  
 CTGAACCCCATTTATTCGATCACCACGGATGTTCTTTACTACTATCTGTAATCCTTGTGGG  
 CCCTGTCCAGAGAATTGCATTTTCAGGAAGAATGGAGTTCAGGGCATGGTGGGAATTTG  
 ACTCCTTCAAAGTGCCCGAGCGGCCCAAGCCTTCTCAATGGGGCTGATATCTT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001533 unedited  
 CACTTGGAGATGGCAACTCCAGNCCAGNANGAGCACTGGGNGGGGTACAGGGATGC  
 CACCCGGGATCTGTTNAGAAACAGCTTGACCGCAGCCGCAATCTANAGTCGAGTTTTTT  
 TTCCAAAC  
 AATTTTTTTGAAATGGGCCAAGAGTTCATGGGCCGCCAATTGTTTGAACCGGAAAAAAA  
 AAAATCCCTGTCAATTTTTTTTTTAAAAGTGAAGTTAATTTTGGGAGAAAACAGTTNN  
 CNTCTCCCTCCCTGGAATTTCCAGGGTTTCCATTAAGGGTAAATAAGCCTTTTCAA  
 CCTNNCTTTTTNAAAAAAAAAAAAAAAAAAAAAAAAAGGGTTCAGTTTTTTTGCCAATA  
 CAAAAACAAAAATGGCTTTAAGGAAAAAAAAATGTTTTTCTGCTCAAATGGGACTTTTT  
 CTAGGCCCTTATTTAGAGCGTGCTTAACATTGGAGAAACACAACCTCAAAGTGAAGG  
 GTATGGGACCTTGTGGTTCCAACCTGGGTATGGTTTCAAGCNGCCTATTTCTGAGGCA  
 TTGTTTTGGAATCCCACTCCAGCAGTTCAGAGGAGCTGCGCTCACTTTTTGCTGAGAAT  
 CTTTCACAGGAGTGGCCGCTTACTCCCGCTTATGGGAGATTTTAGAGGGTTTTCTTGG  
 TCACCTCCGCGGGCGTTTAGAAAAGATGCAACACTTTTTTGGGGTCTGGATGGCGTTTT  
 TGGCTGCCTGCTTTGGGGGGAACCCCAATTTTTCCCGGGTTCAGTGGATTTTTTTGTCA  
 CGGGC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001533

**Insert Size:**

2200 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001533.2</a></u> , <u><a href="#">NP_001524.2</a></u>
<b>RefSeq Size:</b>	2129 bp
<b>RefSeq ORF:</b>	1770 bp
<b>Locus ID:</b>	3191
<b>UniProt ID:</b>	<u><a href="#">P14866</a></u>
<b>Cytogenetics:</b>	19q13.2
<b>Domains:</b>	RRM
<b>Gene Summary:</b>	<p>Heterogeneous nuclear RNAs (hnRNAs) which include mRNA precursors and mature mRNAs are associated with specific proteins to form heterogenous ribonucleoprotein (hnRNP) complexes. Heterogeneous nuclear ribonucleoprotein L is among the proteins that are stably associated with hnRNP complexes and along with other hnRNP proteins is likely to play a major role in the formation, packaging, processing, and function of mRNA. Heterogeneous nuclear ribonucleoprotein L is present in the nucleoplasm as part of the HNRNP complex. HNRNP proteins have also been identified outside of the nucleoplasm. Exchange of hnRNP for mRNA-binding proteins accompanies transport of mRNA from the nucleus to the cytoplasm. Since HNRNP proteins have been shown to shuttle between the nucleus and the cytoplasm, it is possible that they also have cytoplasmic functions. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>