

Product datasheet for **RG209067**

hnRNP L (HNRNPL) (NM_001005335) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP L (HNRNPL) (NM_001005335) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	hnRNP L
Synonyms:	hnRNP-L; HNRPL; P/OKcl.14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG209067 representing NM_001005335
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGAAGATGGCGGCGGGCGGGCGGAGGCGGCGGTGGCCGCTACTACGGCGGCGGCAGTGAGGGCG
 GCCGGGCCCTAAGCGGCTCAAGACTGACAACGCCGGCGACCAGCACGGAGGCGGGCGGTGGCGGTGG
 AGGAGCCGGGGCGGGCGGGCGGGCGGTGGGAGAAGTACGATGACCCGCACAAAACCCCTGCCTCC
 CCAGTTGTCCACATCAGGGGCTGATTGACGGTGTGGTGAAGCAGACCTTGTGGAGCCTTGCAGGAGT
 TTGGACCCATCAGCTATGTGGTGAATGCCTAAAAAGAGACAAGCACTGGTGGAGTTTGAAGATGTGT
 GGGGGCTTGAACGCAGTGAACACGACCGACAACCAATATACATTGCTGGTCACCCAGCTTTTGTG
 AACTACTCTACCAGCCAGAAGATCTCCCGCCCTGGGACTCGGATGACTCCCGGAGCGTGAACAGTGTG
 TTCTCTTACCATCCTGAACCCATTTATTCGATCACCACGGATGTTCTTACACTATCTGTAATCCTTG
 TGGCCCTGTCCAGAGAATTGTCATTTTCAGGAAGAATGGAGTTCAGGCGATGGTGAATTTGACTCAGTT
 CAAAGTGCCAGCGGGCCAAGGCCTCTCTCAATGGGGCTGATATCTATTCTGGCTGTTGACTCTGAAGA
 TCGAATACGAAAAGCCTACACGCTTGAATGTGTTCAAGAATGATCAGGATACTTGGGACTACAAAACCC
 CAATCTCAGTGGACAAGGTGACCCTGGCAGCAACCCCAACAAACGCCAGAGGCGAGCCCTCTCCTGGGA
 GATCACCCCGCAGAATATGGAGGGCCCCACGGTGGTACCACAGCCATTACCATGATGAGGGCTACGGGC
 CCCCCACCTCACTACGAAGGGAGAAGGATGGGTCCACCAGTGGGGGTACCGTGGGGGCCAAGTCG
 CTACGGCCCCAGTATGGGCACCCCAACCCCTCCCCACCACCGAGTATGGCCCTCACGCCGACAGC
 CCTGTGCTCATGGTCTATGGCTTGGATCAATCAAGATGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA
 TATATGGCAATGTGGAGAAGGTGAAATTCATGAAAAGCAAGCCGGGGGCCCATGGTGGAGATGGCTGA
 TGGCTACGCTGTAGACCGGGCCATTACCCACTCAACAACAATTCATGTTTGGGCAGAAGCTGAATGTC
 TGTGTCTCCAAGCAGCCAGCCATCATGCCTGGTCAAGTACATACGGTTGGAAGACGGGTCTTGCAGTTACA
 AAGACTTCAGTGAATCCCGAACAATCGGTTCTCCACCCAGAGCAGGCAGCCAAGAACCGCATCCAGCA
 CCCCAGCAACGTGCTGCCTTCTCAACGCCCGCTGGAGGTGACCGAGGAGAAGTCTTTGAGATCTGC
 GATGAGCTGGGAGTGAAGCGCCATCTTCTGTGAAAGTATTCTCAGGCAAAAGTGAAGCAGCTCCTCTG
 GACTGCTGGAGTGGGAATCCAAGAGCGATGCCCTGGAGACTCTGGGCTTCTGAACCATTACCAGATGAA
 AAACCAATGGTCCATACCTTACACTCTGAAGTTGTGTTTCTCACTGCTCAGCACGCCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG209067 representing NM_001005335
 Red=Cloning site Green=Tags(s)

MVKMAAAGGGGGGRYYGGGSEGGRAPKRLKTDNAGDQHGGGGGGGAGAAGGGGGGENYDDPHKTPAS
 PVVHIRGLIDGVVEADLVEALQEFGPISYVVVMPKKRQALVEFEDVLGACNAVNYAADNQIYIAGHPAFV
 NYSTSQKISRPGDSDSRVNSVLLFTILNPIYSITTDVLYTICNPGPVQRIVIFRKNQVQAMVEFDSV
 QSAQRAKASLNGADIYSGCCTLKIEYAKPTRLNVFKNDQTDWYTNPNLSGQDPPGSNPNKRQRQPPLLG
 DHPAEYGGPHGGYHSHYHDEGYGPPPHYEGRRMGPPVGGHRRGPSRYGPYGHPPPPPPPEYGPADS
 PVLVVYGLDQSKMNCDFVNFVFLYGNVEKVKFMKSKPGAAMVEMADGYAVDRAITHLNNFMFGQKLN
 CVSKQPAIMPQSYGLEDGSCSYKDFSESRNNRFSTPEQAANKRIQHPSNVLHFNAPLEVTEENFEIC
 DELGVKRPSSVKVFSGKSERSSSGLLEWESKSDALETGLFLNHYQMKNPNGPYPTLKLKCFSTAQHAS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001005335

ORF Size: 1674 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_001005335.1](#), [NP_001005335.1](#)

RefSeq Size: 1895 bp

RefSeq ORF: 1371 bp

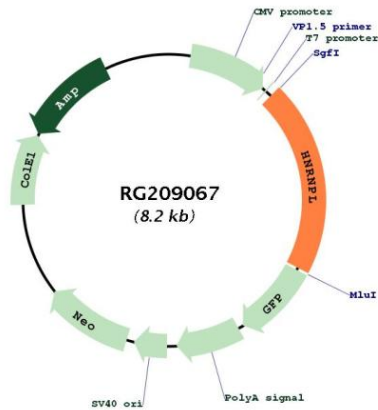
Locus ID: 3191

UniProt ID: [P14866](#)

Cytogenetics: 19q13.2

Gene Summary: Heterogeneous nuclear RNAs (hnRNAs) which include mRNA precursors and mature mRNAs are associated with specific proteins to form heterogeneous 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 HNRP complex. HNRP 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 HNRP 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]

Product images:



Circular map for RG209067