

Product datasheet for **RG219240**

hnRNP L (HNRNPL) (NM_001533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP L (HNRNPL) (NM_001533) 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)



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ORF Nucleotide Sequence:

>RG219240 representing NM_001533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGGGAGGCTGCTGCCCGGGCGGAGAAGCGGCGTGGCGGCTGGAGCAGAGGCAGCAGCCGGACG
 AGCAGCGGAGGCGGTGGGAGCGATGGTGAAGATGGCGGCGGCGGCGGAGGCGGCGGTGGCCGCTA
 CTACGGCGGGCGGAGTGAGGGCGGCCGGGCCCTAAGCGGCTCAAGACTGACAACGCCGGCGACCAGCAC
 GGAGGCGGCGGCGGTGGCGGTGGAGGAGCCGGGCGGCGGCGGCGGCGGCGGTGGGAGAACTACGATG
 ACCCGCACAAAACCCCTGCCTCCCACTGTCACATCAGGGGCTGATTGACGGTGTGGTGAAGCAGA
 CCTTGTGGAGGCTTGCAGGAGTTGGACCCATCAGCTATGTGGTGGTAAATGCCTAAAAAGAGACAAGCA
 CTGGTGGAGTTTGAAGATGTGTGGGGCTTGAACCGCAGTGAACACGAGCCGACAACCAATATACA
 TTGCTGGTCAACCAGCTTTGTCAACTACTCTACCAGCCAGAAGATCTCCCGCCCTGGGGACTCGGATGA
 CTCCCGGAGCGTGAACAGTGTGCTTCTCTTACCATCCTGAACCCATTTATTGATCACCACGGATGTT
 CTTTACACTATCTGTAATCCTTGTGGCCCTGTCCAGAGAATTGTCATTTTCAGGAAGAATGGAGTTCAGG
 CGATGGTGGAAATTTGACTCAGTCAAAGTGCCAGCGGGCCAAGGCCCTCTCTCAATGGGGCTGATATCTA
 TTCTGGCTGTTGCACTCTGAAGATCGAATACGCAAAGCCTACACGCTTGAATGTGTTCAAGAATGATCAG
 GATACTGGGACTACACAAACCCCAATCTCAGTGGACAAGGTGACCTGGCAGCAACCCCAACAAACGCC
 AGAGGCAGCCCCCTCTCCTGGGAGATCACCCCGCAGAATATGGAGGGCCCCACGGTGGTACCACAGCCA
 TTACCATGATGAGGGCTACGGGCCCCCCCCACCTACTACGAAGGAGAAGGATGGTCCACCAGTGGGG
 GGTCAACGTCGGGGCCCAAGTCGCTACGGCCCCCAGTATGGGCACCCCCACCCCTCCCCACCCCGG
 AGTATGGCCCTCACGCCGACGCCCTGTGCTCATGGTCTATGGCTTGGATCAATCAAGTGAACGTGTA
 CGAGTCTTCAATGTCTTCTGCTTATATGGCAATGTGGAGAAGGTGAAATTCATGAAAAGCAAGCCGGGG
 GCCCCATGGTGGAGATGGCTGATGGCTACGCTGTAGACCGGGCCATTACCCACCTCAACAACAACCTTCA
 TGTGGGCGAGAAGCTGAATGTCTGTGTCTCCAAGCAGCCAGCCATCATGCCTGGTCACTACAGGTT
 GGAAGACGGGTCTTGCAGTTACAAAGACTTCAAGTGAATCCCGAACAATCGGTTCTCCACCCAGAGCAG
 GCAGCCAAGAACCAGCATCCAGCACCCAGCAACGTGCTGCACTTCTTCAACGCCCGCTGGAGGTGACCG
 AGGAGAATTCTTTGAGATCTGCGATGAGCTGGGAGTGAAGCGGCATCTTCTGTAAAGTATTCTCAGG
 CAAAAGTGAAGCAGCTCTCTGGACTGCTGGAGTGGGAATCCAAGAGCGATGCCCTGGAGACTCTGGGC
 TTCTGAACCATACCAGATGAAAACCCCAATGGTCCATACCCTTACACTCTGAAGTTGTGTTTCTCCA
 CTGCTCAGCACGCTCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG219240 representing NM_001533
 Red=Cloning site Green=Tags(s)

MSRRLLPRAEKRRRRLERQRPDEQRSSGAMVMAAAGGGGGGRYGGGSEGGRAPKRLKTDNAGDQH
 GGGGGGGGAGAAAGGGGGENYDDPHKTPASPVVHIRGLIDGVVEADLVEALQEFGPISYVVVMPKKRQA
 LVEFEDVLGACNAVNYAADNQIYIAGHPAFVNYSTSQKISRPGDSDDSRVNSVLLFTILNPIYSITTDV
 LYTICNCPGPVQRIVIFRKNVQAMVEFDSVQSAQRAKASLNGADIYSGCCTLKIEYAKPTRLNVFKNDQ
 DTWDYTNPNLSGQDPSNPNKRQRQPLLDHHPAEYGGPHGGYHSHYHDEGYGPPPPHYEGRRMGPPVG
 GHRRGPSRYGPQYGHPPPPPPPEYGPHADSPVLMVYGLDQSKMNCDRVFNVFCLYGNVEKVKFMKSKPG
 AAMVEMADGYAVDRAITHLNNFMFGQKLNVCVSKQPAIMPQSYGLEDSYKDFSESRRNRFSTPEQ
 AAKNRIQHPSNVLHFFNAPLEVTENFFEICDELGVKRPSSVKVFSGKSERSSSGLLEWESKSDALETGL
 FLNHYQMKNPNGPYPTLKLCFSTAQHAS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001533

ORF Size: 1767 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 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

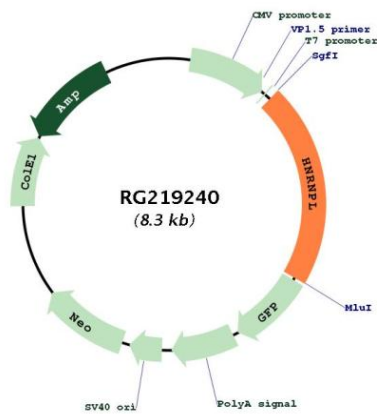
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001533.2, NP_001524.2](#)
RefSeq Size: 2129 bp
RefSeq ORF: 1770 bp
Locus ID: 3191
UniProt ID: [P14866](#)
Cytogenetics: 19q13.2
Domains: RRM

Gene Summary: 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]

Product images:



Circular map for RG219240