

## Product datasheet for RC201695

### HNRNPC (NM\_004500) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPC (NM_004500) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HNRNPC
Synonyms:	C1; C2; HNRNP; HNRPC; SNRPC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201695 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGCAACGTTACCAACAAGACAGATCCTCGCTCCATGAACTCCCGTGATTCATTGGGAATCTCA  
ACACTCTTGTGGTCAAGAAATCTGATGTGGAGGCAATCTTTTCGAAGTATGGCAAATTTGGGGCTGCTC  
TGTTCAAGGGCTTGCCTTCGTTTCAGTATGTTAATGAGAGAAATGCCCGGGCTGCTGTAGCAGGAGAG  
GATGGCAGAATGATTGCTGGCCAGGTTTTAGATATTAACCTGGCTGCAGAGCCAAAAGTGAACCGAGGAA  
AAGCAGGTGTGAAACGATCTGCAGCGGAGATGTACGGCTCCTCTTTGACTTGGACTATGACTTTCAACG  
GGACTATTATGATAGGATGTACAGTTACCCAGCACGTGTACCTCCTCCTCCTATTGCTCGGGCTGTA  
GTGCCCTCGAAACGTGAGCGTGTATCAGGAAACACTTCACGAAGGGGCAAAGTGGCTTCAATTCTAAGA  
GTGGACAGCGGGGATCTTCCAAGTCTGGAAAGTTGAAAGGAGATGACCTTCAGGCCATTAAGAAGGAGCT  
GACCCAGATAAAACAAAAGTGGATTCTCTCCTGGAAAACCTGGAAAAATTGAAAAGGAACAGAGCAAA  
CAAGCAGTAGAGATGAAGAATGATAAGTCAGAAGAGGAGCAGAGCAGCAGCTCCGTGAAGAAAGATGAGA  
CTAATGTGAAGATGGAGTCTGAGGGGGTGCAGATGACTCTGCTGAGGAGGGGGACCTACTGGATGATGA  
TGATAATGAAGATCGGGGGATGACCAGCTGGAGTTGATCAAGGATGATGAAAAAGAGGCTGAGGAAGGA  
GAGGATGACAGAGACAGCCCAATGGCGAGGATGACTCT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC201695 protein sequence  
Red=Cloning site Green=Tags(s)

MASNVTNKTDPRSMNSRVFIGNLNLTLVVKKSDVEAIFSKYGKIVGCSVHKGFVQYVNERNARA AVAGE  
 DGRMIAGQVLDINLAAEPKVN RGKAGVKRSAAEMYGSSFDLDYDFQRDYDRMYSYPARVPPPPPIARAV  
 VPSKRQRVSGNTSRRGKSGFNSKSGQRGSSKSGKLGDDLQAIKKELTQIKQKVDLLENLEKIEKEQSK  
 QAVEMKNDKSEEEQSSSSVKKDETNVKMESEGGADDSAEEDLLDDDDNEDRGDDQLELIKDDEKEAEEG  
 EDDRDSANGEDDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6192\\_d07.zip](https://cdn.origene.com/chromatograms/mk6192_d07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004500

**ORF Size:** 879 bp

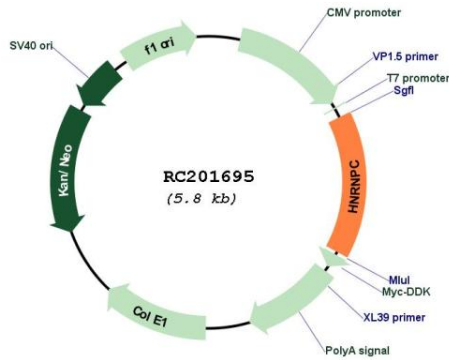
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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.

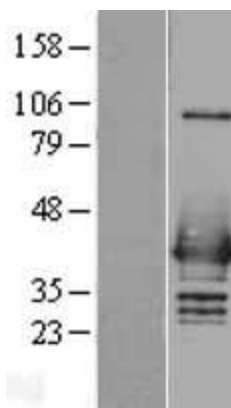
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<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>	<a href="#">NM_004500.4</a>
<b>RefSeq Size:</b>	3213 bp
<b>RefSeq ORF:</b>	882 bp
<b>Locus ID:</b>	3183
<b>UniProt ID:</b>	<a href="#">P07910</a>
<b>Cytogenetics:</b>	14q11.2
<b>Domains:</b>	RRM
<b>Protein Pathways:</b>	Spliceosome
<b>MW:</b>	32.3 kDa
<b>Gene Summary:</b>	<p>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 can act as a tetramer and is involved in the assembly of 40S hnRNP particles. Multiple transcript variants encoding at least two different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p>

Product images:



Circular map for RC201695



Western blot validation of overexpression lysate (Cat# [LY401430]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201695 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).