

Product datasheet for **RG201695**

HNRNPC (NM_004500) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPC (NM_004500) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HNRNPC
Synonyms:	C1; C2; HNRNP; HNRPC; SNRPC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201695 representing NM_004500 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGCAACGTTACCAACAAGACAGATCCTCGCTCCATGAACTCCCGTGTATTCATTGGGAATCTCA
ACACTCTTGTGGTCAAGAAATCTGATGTGGAGGCAATCTTTTCGAAGTATGGCAAATTTGGGGCTGCTC
TGTTCAATAGGGCTTTGCCTTCGTTTCAGTATGTTAATGAGAGAAATGCCCGGGCTGCTGTAGCAGGAGAG
GATGGCAGAATGATTGCTGGCCAGGTTTTAGATATTAACCTGGCTGCAGAGCCAAAAGTGAACCGAGGAA
AAGCAGGTGTGAAACGATCTGCAGCGGAGATGTACGGCTCCTCTTTGACTTGGACTATGACTTTCAACG
GGACTATTATGATAGGATGTACAGTTACCCAGCAGCTGTACCTCCTCCTCCTATTGCTCGGGCTGTA
GTGCCCTCGAAACGTCAGCGTGTATCAGGAAACACTTCACGAAGGGGCAAAAGTGGCTTCAATTCTAAGA
GTGGACAGCGGGGATCTTCCAAGTCTGGAAAGTTGAAAGGAGATGACCTTCAGGCCATTAAGAAGGAGCT
GACCCAGATAAAACAAAAGTGGATTCTCTCCTGGAAAACCTGGAAAAATTGAAAAGGAACAGAGCAAA
CAAGCAGTAGAGATGAAGAATGATAAGTCAGAAGAGGAGCAGAGCAGCTCCGTGAAGAAAGATGAGA
CTAATGTGAAGATGGAGTCTGAGGGGGTGCAGATGACTCTGCTGAGGAGGGGGACCTACTGGATGATGA
TGATAATGAAGATCGGGGGATGACCAGCTGGAGTTGATCAAGGATGATGAAAAAGAGGCTGAGGAAGGA
GAGGATGACAGAGACAGCCCAATGGCGAGGATGACTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201695 representing NM_004500
 Red=Cloning site Green=Tags(s)

MASNVTNKTDPRSMNSRVFIGNLNLTLVVKKSDVEAIFSKYGKIVGCSVHKGFVQYVNERNARA AVAGE
 DGRMIAGQVLDINLAAEPKVN RGKAGVKRSAAEMYGSSFDLDYDFQRDYDRMYSYPARVPPPPPIARAV
 VPSKRQRVSGNTSRRGKSGFN SKSGQRGSSKSGKLGDDLQA IKKELTQIKQKVD SLLLENLEKIEKEQSK
 QAVEMKNDKSEEEQSSSVK KDETNVKMESEGGADDSAE EGDLLDDDDNEDRGDDQLELIK DDEKEAE EGG
 EDDRDSANGEDDS

TRTRPLE - GFP Tag - V

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).

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_004500.4](#)

RefSeq Size: 3213 bp

RefSeq ORF: 882 bp

Locus ID: 3183

UniProt ID: [P07910](#)

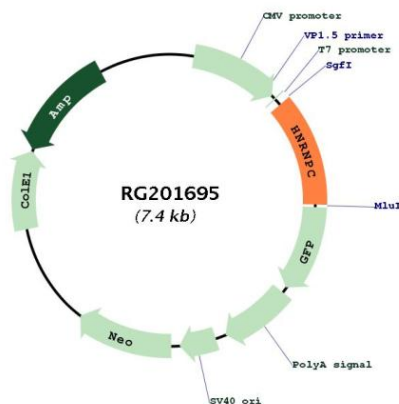
Cytogenetics: 14q11.2

Domains: RRM

Protein Pathways: Spliceosome

Gene Summary: 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]

Product images:



Circular map for RG201695