

Product datasheet for **SC109312**

HNRNPC (NM_004500) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPC (NM_004500) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRNPC
Synonyms:	C1; C2; HNRNP; HNRPC; SNRPC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC109312 sequence for NM_004500 edited (data generated by NextGen Sequencing)

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ATGGCCAGCAACGTTACCAACAAGACAGATCCTCGCTCCATGAACTCCCCTGTTTTCATT  
GGGAATCTCAACACTCTTGTGGTCAAGAAATCTGATGTGGAGGCAATCTTTTCGAAGTAT  
GGCAAAATTGTGGGCTGCTCTGTTTCATAAGGGCTTTGCCTTCGTTTCAGTATGTTAATGAG  
AGAAATGCCCGGCTGCTGTAGCAGGAGAGGATGGCAGAATGATTGCTGGCCAGGTTTTA  
GATATTAACCTGGCTGCAGAGCCAAAAGTGAACCGAGGAAAAGCAGGTGTAAACGATCT  
GCAGCGGAGATGTACGGCTCCTCTTTTGACTTGGACTATGACTTTCAACGGGACTATTAT  
GATAGGATGTACAGTTACCCAGCACGTGTACCTCCTCCTCCTATTGCTCGGGCTGTA  
GTGCCCTCGAAACGTACGCGTGTATCAGGAAACACTTCACGAAGGGGCAAAAGTGGCTTC  
AATTCTAAGAGTGGACAGCGGGATCTTCCAAGTCTGAAAGTTGAAAGGAGATGACCTT  
CAGGCCATTAAGAAGGAGCTGACCCAGATAAAACAAAAGTGGATTCTCTCCTGGAAAAC  
CTGGAAAAAATTGAAAAGGAACAGAGCAAAACAAGCAGTAGAGATGAAGAATGATAAGTCA  
GAAGAGGAGCAGAGCAGCAGCTCCGTGAAGAAAGATGAGACTAATGTGAAGATGGAGTCT  
GAGGGGGGTGCAGATGACTCTGCTGAGGAGGGGGACCTACTGGATGATGATAATGAA  
GATCGGGGGATGACCAGCTGGAGTTGATCAAGGATGATGAAAAGAGGCTGAGGAAGGA  
GAGGATGACAGAGACAGCGCCAATGGCGAGGATGACTCTTAA
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Clone variation with respect to NM_004500.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004500 unedited</p> <pre>GGTCACCATTTGTATACGACTCCTATAGGCGGCCGCGCAATTCGCACGAGGTTGTGGCCG CGTTGCCGACCTCCAGCAGCAGTCGGCTTCTCTACGCAGAACCCGGGAGTAGGAGACTCA GAATCGAATCTCTTCCCTCCCCTTCTGTGAGAGTTTTTGTCTTCAGCTACATTTT CGGCTTTGTGAGAAACCTTACCATCAAACACGATGGCCAGCAACGTTACCAACAAGACAG ATCCTCGCTCCATGAACCTCCCGTGTATTATTGGGAATCTCAACACTCTGTGGTCAAGA AATCTGATGTGGAGGCAATCTTTTTCGAAGTATGGCAAAATGTGGGCTGCTCTGTTCATA AGGGCTTTGCCTTCGTTAGTATGTTAATGAGAGAAATGCCCGGGCTGCTGTAGCAGGAG AGGATGGCAGAATGATTGCTGGCCAGGTTTTAGATATTAACTGGCTGCAGAGCCAAAAG TGAACCGAGGAAAAGCAGGTGTGAAACGATCTGCAGCGGAGATGTACGGCTCCTCTTTTG ACTTGGACTATGACTTTCAACGGGACTATTATGATAGGATGTACAGTTACCCAGCAGCTG TACCTCCTCCTCCTATTGCTCGGGCTGTAGTGCCCTCGAAACGTGAGCGTGTATCAG GAAACACTTCACGACAGGGCAAAAGTGGCTTCAATTCTAAGAGTGGACAGCGGGGATCTT CCAAGTCTGAAAAGTTGAAAGGAGATGACCTTCAGGCCATTAAGAAGAGCTGACCCATAT AAACTACAAGTGGATTCTCCTCGCAACCCTGGAACAATGTAAAAGGAACAGAGCTA ACTAGCTGTAGAGATGAAGAATGATCAGTCCGAGGAGTAGCTGAGCAGCAGCTCCGTGAA GCAAGAGAN</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004500 unedited</p> <pre>GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTAAAAACCATACAT CCTTTTTATTGTTAAGTCATAAAGAGGTATCAAATTTAAAGCAAAAATTACAGGGTAAG ACTTAACAAAACACTAGGAGCGTCAAAGGAAGTAAAAATGGGACTAGGGCGGGGCAAT ATGAATTAATGAACATGGGAAGGACAAGGATGGGGAGAACAGTGAGCATGTGCTGAAGAT ACTAGGGGAGAGGATCTGGTGAAAAATTTGATCTTAGACAAGCGCCTAGGTAAAGAAATA ATGGGATAAGATTTCTAAACCCCACTATGTGCTTAAGAGTCATCCTCGCCATTGGCGCTG TCTCTGTCATCCTCCTTCCCTCAGCCTCTTTTTCATCATCCTTGATCAACTCCAGCTGG TCATCCCCCGATCTTCATTATCATCATCCAGTAGGTCCTCCTCAGCAGAGTCA TCTGCACCCCCCTCAGACTCCATCTTCACATTAGTCTCATCTTTCTTACGGAGCTGCTG CTCTGCTCCTCTCTGACTTATCATTCTTCATCTCTACTGCTTGTGTTGCTGTTCCTTT TCAATTTTTTCCAGGTTTTCCAGGAGAGAATCCACTTTTTGTTTTATCTGGGTCAGCTCC TTCTTAATGGCCTGANAGTCATCTCCTTTCAACTTTCCAGACTTGAAGATCCCCGCTGT CCTACTTTAGAATTGAGCCACTTTTGCCCTTCGTGAAGTGTTCCTGATACACGCTGAC GTTTCGAGGGCACTACAGCCGAGCAATAGAGGAGGGAGAGTACACGTGCTGGGTAAGT TACATCCTATCATAATAGTCCNGTTGAAAGTATAGTCCAGTCAAAGAAGACCCGACATCT CGTG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004500
Insert Size:	1350 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_004500.2](#), [NP_004491.1](#)

RefSeq Size: 1732 bp

RefSeq ORF: 873 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]
Transcript Variant: This variant (2) lacks an alternate in-frame segment compared to variant 1. The resulting isoform (b, also known as isoform C1) has the same N- and C-termini but is shorter compared to isoform a. Variants 2 and 4 both encode isoform b.