

## Product datasheet for MC208672

### Hnrnpc (NM\_001170981) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hnrnpc (NM\_001170981) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Hnrnpc  
**Synonyms:** AL022939; D14Wsu171e; hnrnp-C; hnRNP1; hnRNP2; Hnrpc; Hnrpc1; Hnrpc2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208672 representing NM\_001170981  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTAGCAATGTTACCAACAAGACAGATCCTCGGTCCATGAATCCCCTGTATTCATTGGGAATCTCA  
ACACTCTGGTGGTCAAGAAGTCTGATGTGGAGGCCATCTTTCAAAGTATGGCAAATTTGGGGCTGCTC  
TGTGCATAAAGGCTTTGCCTTTGTCCAGTATGTTAATGAAAGAAATGCCCGAGCTGCTGTAGCTGGCGAG  
GATGGCAGAATGATTGCTGGCCAGGTTTTAGATATTAACCTGGCTGCAGAGCCAAAAGTGAACCGAGGAA  
AAGCAGGTGTGAAACGATCTGCAGCGGAGATGTACGGTTCCTCATTGACTTGGACTATGACTTTCAACG  
GGATTATTATGACAGGATGTACAGTTACCCAGCGCGGGTTCCTCCTCCTCCTATTGCTCGAGCTGTG  
GTGCCCTCCAAACGTCAGCGTGTTCAGGGAACACCTCACGAAGGGGCAAAGTGGATTCAATTCGAAGA  
GTGGACAAAGGGGATCTTCTCCAAGTCTGAAAATTGAAAGGTGATGACCTTCAGGCCATTAAGGGA  
GCTGACTCAGATAAAACAAAAGTGGATTCTCTCTGAAAGCCTGAAAAAATTGAAAAAGAACAAGC  
AAGCAAGCAGACTTGTCTTCTCATCCCCAGTAGAGATGAAGAATGAAAAGTCTGAAGAAGAGCAGAGCA  
GCGCCTCTGTGAAGAAAGATGAGACTAATGTGAAGATGGAGTCTGAGGCAGGTGCAGATGACTCTGCTGA  
GGAGGGTGACCTGCTGGATGATGACGATAATGAAGATCGGGGGATGACCAGCTGGAGTTGAAGGATGAT  
GAAAAAGAGCCTGAGGAAGGAGAAGACGACAGAGACAGCGCCAATGGGGAGGATGACTCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001170981  
**Insert Size:** 903 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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>	<u><a href="#">NM_001170981.1</a></u> , <u><a href="#">NP_001164452.1</a></u>
<b>RefSeq Size:</b>	2805 bp
<b>RefSeq ORF:</b>	903 bp
<b>Locus ID:</b>	15381
<b>UniProt ID:</b>	<u><a href="#">Q9Z204</a></u>
<b>Cytogenetics:</b>	14 26.79 cM
<b>Gene Summary:</b>	<p>Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles. Interacts with poly-U tracts in the 3' UTR or 5'-UTR of mRNA and modulates the stability and the level of translation of bound mRNA molecules. Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides. May play a role in the early steps of spliceosome assembly and pre-mRNA splicing. N6-methyladenosine (m6A) has been shown to alter the local structure in mRNAs and long non-coding RNAs (lncRNAs) via a mechanism named 'm(6)A-switch', facilitating binding of HNRNPC, leading to regulation of mRNA splicing. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses a different splice site in the coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1. Variants 2, 3 and 13 encode the same isoform (2).</p>