

Product datasheet for MC208673

Hnrnpc (NM_016884) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hnrnpc (NM_016884) 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: >MC208673 representing NM_016884
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTAGCAATGTTACCAACAAGACAGATCCTCGGTCCATGAATCCCCTGTATTCATTGGGAATCTCA
 AACTCTGGTGGTCAAGAAGTCTGATGTGGAGGCCATCTTTCAAAGTATGGCAAATTTGGGGCTGCTC
 TGTGCATAAAGGCTTTGCCTTTGTCCAGTATGTTAATGAAAGAAATGCCGAGCTGCTGTAGCTGGCGAG
 GATGGCAGAATGATTGCTGGCCAGGTTTTAGATATTAACCTGGCTGCAGAGCCAAAAGTGAACCGAGGAA
 AAGCAGGTGTGAAACGATCTGCAGCGGAGATGTACGGGTCACTACCGAAGACACCTTCTCCGTCCCTCT
 ACTCAGTTCCTCATTGACTTGGACTATGACTTCAACGGGATTATTATGACAGGATGTACAGTTACCCA
 GCGCGGTTTCTCCTCCTCCTATTGCTCGAGCTGTGGTGCCTTCAAACGTCAGCGTGTTCAGGGA
 ACACCTCACGAAGGGGCAAAAGTGGATTCAATTCGAAGAGTGGACAAAGGGGATCTTCTCCAAGTCTGG
 AAAATTGAAAGGTGATGACCTTCAGGCCATTAAGAGGAGCTGACTCAGATAAAACAAAAGTGGATTCT
 CTTCTGAAAGCCTGGAAAAATGAAAAAGAACAAGCAAGCAGACTTGTCTTCTATCCCCAG
 TAGAGATGAAGAATGAAAGTCTGAAGAAGAGCAGAGCAGCGCCTCTGTGAAGAAAGATGAGACTAATGT
 GAAGATGGAGTCTGAGGCAGGTGCAGATGACTCTGCTGAGGAGGTGACCTGCTGGATGATGACGATAAT
 GAAGATCGGGGGATGACCAGCTGGAGTTGAAGGATGATGAAAAAGACCTGAGGAAGGAGAAGACGACA
 GAGACAGCGCCAATGGGGAGGATGACTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_016884
Insert Size: 942 bp



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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:	<ol style="list-style-type: none"> 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:	<u>NM_016884.3</u> , <u>NP_058580.1</u>
RefSeq Size:	2844 bp
RefSeq ORF:	942 bp
Locus ID:	15381
UniProt ID:	<u>Q9Z204</u>
Cytogenetics:	14 26.79 cM
Gene Summary:	<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 (1) encodes the longest protein (isoform 1). Variants 1, 6 and 7 encode the same isoform (1).</p>