

Product datasheet for MC206689

Hnrpd (BC049098) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hnrpd (BC049098) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hnrpd
Synonyms: Auf1; Hnrpd
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC049098
 CCATTTTAGGTGGTCCGCGGGCGGCCATTAAAGCGAGGAGGAGCGAGAGTGGCCCGCTGCTACTTC
 ATCTTTTTTTTTTTCAGTGCAGCCGGGAGAGCGAGAGAGCGCGCTGCGGAGAGTGGGAGCGAGGGG
 GCAGGCCGGGAGAGGCGCAGGAGCCCTTGCAGCCACGCGCGCCTTGTCTAGGGTGCCTCGCAGGTA
 GAGCGGGCATCGCGGGCGGGCGGGGATTACTTTGCTGCTAGTTTCGGTTTCGCGGGCGGGCGGCGTC
 GGCGGGTGTCTTTCGCGGGCGGCGAGTACTACTATGTCGGAGGAGCAGTTCGGAGGGGACGGGGCGGCG
 GCGGGCGCAACGGCGGGTAGGCGGCTCGGCGGGCGAGCAGGAGGGAGCCATGGTGGCGGGCGGGCGC
 AGGGGCCGGCGGGCGGGGAAAGCGGGAGCGGGCGGGCGGCTCTGCGGCCGGAGGCACCGAAGGAGG
 CAGCGCCGAGGAGGGAGCCAAAGATCGACGCCAGTAAGAACGAGGAGGATGAAGGCCATTCAAATCC
 TCCCCACGACACTGAAGCAGCGGGCGGACAGCGGGAAGAATGAAAAATGTTTATAGGAGCCTTAGCT
 GGGACACCACAAAGAAAGATCTGAAGGACTACTTTTCAAATTTGGTGAAGTTGTAGACTGCACTTGAA
 GTTAGATCCTATCACAGGCGATCAAGGGTTTTGGCTTTGTGCTATTTAAAGAGTCGGAGAGTGTAGAT
 AAGGTCATGGATCAGAAAGAACATAAAATGAATGGGAAAGTCATTGATCCTAAAAGGGCCAAAGCCATGA
 AAACAAAAGAGCCTGTCAAAAAATTTTTGTTGGTGGCCTTTCTCCAGACACACCTGAAGAAAAATAAG
 AGAGTACTTTGGTGGTTTTGGTGAAGTTGAATCCATAGAGCTCCCTATGGACAACAAGCCAATAAGAGG
 CGTGGGTTCTGTTTTATTACCTTTAAGGAAGAGGAGCCAGTGAAGAAGATAATGGAAAAGAAATACCACA
 ATGTTGGTCTTAGTAAATGTGAAATAAAAGTAGCCATGTCAAAGGAACAGTATCAGCAGCAGCAGCAGTG
 GGGATCTAGAGGAGGTTTTGCAGGCAGAGCTCGCGGAAGAGGTGGAGATCAGCAGAGTGGTTATGGGAAA
 GTATCCAGGCGAGGTGGACATCAAAATAGCTACAACCATACTAAATTTCCATTTGCAACTTATCCCC
 AACAGGTGGTGAAGCAGTATTTTCCAATTTGAAGATTCATTTGAAGGTGGCTCCTGCCACCTGCTAATAG
 CAGTTCAAATAAATTTTTCTATCAAGTTCCTGAATGGAAGTATGACGTTGGTCCCTCTGAAGTTTAA
 TTCTGAGTTCTATTAAGAATTTGCTTTTATTGTTTTATTCTTAATTGCTATGCTTCAGTATCAATT
 TGTGTTTTATGCCCCCTCCCCCAGTATTGTAGAGCAAGTCTTGTGTTAAAAAAGCCAGTGTGAC
 AGTGCATGATGATGAGTGTCTTACTGGTTTTTAATAAATCCTTTTGTATAAAAAAAAAAAAAAAAAAA AA

Restriction Sites: EcoRI-NotI



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ACCN:	BC049098
Insert Size:	921 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:	<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:	BC049098 , AAH49098
RefSeq Size:	1612 bp
RefSeq ORF:	921 bp
Locus ID:	11991
Cytogenetics:	5 E4
Gene Summary:	Binds with high affinity to RNA molecules that contain AU-rich elements (AREs) found within the 3' UTR of many proto-oncogenes and cytokine mRNAs. Also binds to double- and single-stranded DNA sequences in a specific manner and functions a transcription factor. Each of the RNA-binding domains specifically can bind solely to a single-stranded non-monotonous 5'-UUAG-3' sequence and also weaker to the single-stranded 5'-TTAGGG-3' telomeric DNA repeat. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats. Binding of RRM1 to DNA inhibits the formation of DNA quadruplex structure which may play a role in telomere elongation. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain. May play a role in the regulation of the rhythmic expression of circadian clock core genes. Directly binds to the 3' UTR of CRY1 mRNA and induces CRY1 rhythmic translation. May also be involved in the regulation of PER2 translation.[UniProtKB/Swiss-Prot Function]