

Product datasheet for SC118807

HNRNPD (NM_002138) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPD (NM_002138) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRNPD
Synonyms:	AUF1; AUF1A; hnRNP0; HNRPD; P37
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118807 sequence for NM_002138 edited (data generated by NextGen Sequencing)

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ATGTCGGAGGAGCAGTTCGGCGGGGACGGGGCGGCGCAGCGGCAACGGCGCGGTAGGC
GGCTCGGCGGGGAGCAGGAGGGAGCCATGGTGGCGGCGACACAGGGGGCAGCGGCGGCG
GCGGGAAGCGGAGCCGGGACCGGGGCGGAACCGCTCTGGAGGCACCGAAGGGGCGAGC
GCCGAGTCGGAGGGGGCGAAGATTGACGCCAGTAAGAACGAGGAGGATGAAGGCCATTCA
AACTCCTCCCCACGACTCTGAAGCAGCGACGGCACAGCGGGAAGAATGGAAAAATGTTT
ATAGGAGGCCTTAGCTGGGACTACAAAGAAAGATCTGAAGGACTACTTTTCAAATTT
GGTGAAGTTGTAGACTGCACTCTGAAGTTAGATCCTATCACAGGGCGATCAAGGGGTTTT
GGCTTTGTCTATTTAAGAATCGGAGAGTGTAGATAAGGTCATGGATCAAAAAGAACAT
AAATTGAATGGGAAGGTGATTGATCCTAAAAGGGCCAAAGCCATGAAAACAAAAGAGCCG
GTTAAAAAATTTTTGTTGGTGGCCTTTCTCCAGATACACCTGAAGAGAAAATAAGGGAG
TACTTTGGTGGTTTTGGTGGAGGTGGAATCCATAGAGCTCCCCATGGACAACAAGACCAAT
AAGAGGCGTGGGTTCTGCTTTATTACCTTTAAGGAAGAAGAACCAGTGAAGAAGATAATG
GAAAAGAAATACCACAATGTTGGTCTTAGTAAATGTGAAATAAAAGTAGCCATGTGCAAG
GAACAATATCAGCAACAGCAACAGTGGGGATCTAGAGGAGGATTTGCAGGAAGAGCTCGT
GGAAGAGGTGGTGACCAGCAGAGTGGTTATGGGAAGGTATCCAGGCGAGGTGGTCATCAA
AATAGCTACAAACCATACTAA

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Clone variation with respect to NM_002138.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002138 unedited
 TTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGGCAGCGCGGGTGTAGT
 CTCGGCGGCAGCGGGGAGACACTAGCACTATGTCGGAGGAGCAGTTCGGCGGGGACGGG
 GCGGCGGCAGCGGCAACGGCGGGTAGGCGGCTCGGCGGGCGAGCAGGAGGGAGCCATG
 GTGGCGGCACACAGGGGGCAGCGGGCGGGGAAGCGGAGCCGGGACCGGGGCGGA
 ACCGCGTCTGGAGGCACCGAAGGGGGCAGCGCCGAGTCGGAGGGGGCGAAGATTGACGCC
 AGTAAGAACGAGGAGGATGAAGGCCATTCAAACCTCTCCACGACACTCTGAAGCAGCG
 ACGGCACAGCGGGAAGAATGAAAAATGTTTATAGGAGGCCCTTAGCTGGGACACTACAAAG
 AAAGATCTGAAGGACTACTTTTTCCAAATTTGGTGAAGTTGTAGACTGCACTCTGAAGTTA
 GATCCTATCACAGGGCGATCAAGGGGTTTTGGCTTTGTGCTATTTAAAGAATCGGAGAGT
 GTAGATAAGGTCATGGATCAAAAAGAACAATAAATTGAATGGGAAGGTGATTGATCCTAAA
 AGGGCCAAAGCCATGAAAACAAAAGAGCCGGTTAAAAAATTTTTGTTGGTGGCCTTTCT
 CCAGATACACCTGAAGAGAAATAAGGGAGTACTTTGGNTGGTTTTGGTGAAGTGGAAATCC
 ATAGAGCTCCCCATGGACAACAAGACCAATAGAGGCCGTGGGGTTCTGCTTTATTACCTT
 TANGGAAGAAGAACCAGTGAAGAAGATAATGGANAAGAAATACCAACAATGTTGGTCTTTA
 GTAATGTGAAATANAAGTAGCCATGTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002138 unedited
 GACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATACA
 AAAGGATTTATTAACAAAACAGTAAAGACTACTACATCATGACTGTCACTGGGCT
 TTTAACACAAGACTTGTCTACAATACTGGGGAAAGGGCATAAAACACAAATTGATTCT
 GAAGCATAGCAATTAAGAAATAAAACAATGAAAGCAAATTTCTTTAATGAGAACTCAGA
 ATTAAACTTCAGAGGGACCAACGTCATACTTCCATTCAGGGACTTGATACAAAAATTT
 AGTTTGAAGTCTATTAGCAGGTGGCAGGACCCCTTCAAATGAATCTTCAAATGGAA
 AATACTGCTTCACCACCTGTTGGGGATAAGTTGCAAATGGAATAATTTAGTATGGTTGT
 AGCTATTTTGTGACCACTCGCCTGGATACCTTCCATAAACCCTCTGCTGGTCACCAC
 CTCTTCCACGAGCTCTTCTGCAATCCTCTCTAAATCCCCACTGTTGCTGTTGCTGAT
 ATTGTTCCCTTCGACATGGCTACTTTTATTTACATTTACTAAGACCAACATTGNGGTATT
 TCTTTCCATTATCTTCTCACTGGTCTTCTTCTTAAAGGTAATAAAGCAGAACCCAC
 GCCTCTTATTGGTCTTGTGTCATGGGAGCTCTATGGATTCCACCTCACCAAAACCCC
 AAAGTACTCCCTTATTTTCTCTCAGGTGTATCTGGGAGAAAGCCACCAAAAAATTTT
 TTTACCCGCTCTTTTGTTCATGGCTTTTGCCCTTTTAGATCAACACCTTCCCATTCAA
 TTATGTTCTTTTGACCCAGACCCTATCACCTCTCCGATCTTAATACCAAAACCAAAACC
 TTGGACCCCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_002138

Insert Size:

1360 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_002138.3](#), [NP_002129.2](#)

RefSeq Size: 2110 bp

RefSeq ORF: 921 bp

Locus ID: 3184

UniProt ID: [Q14103](#)

Cytogenetics: 4q21.22

Domains: RRM

Protein Families: Druggable Genome, Transcription Factors

Gene Summary:

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are nucleic acid 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 has two repeats of quasi-RRM domains that bind to RNAs. It localizes to both the nucleus and the cytoplasm. This protein is implicated in the regulation of mRNA stability. Alternative splicing of this gene results in four transcript variants. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) lacks an alternate in-frame segment, compared to variant 1. The resulting isoform (c), also known as p40, is shorter than isoform a.