

Product datasheet for **SC310527**

HNRNPD (NM_031369) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPD (NM_031369) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRNPD
Synonyms:	AUF1; AUF1A; hnRNP0; HNRPD; P37
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031369 edited
 CCGCCGCTGGTGCTTATTCTTTTTAGTGCAGCGGGAGAGAGCGGGAGTGTGCGCCGCGC
 GAGAGTGGGAGGCGAAGGGGGCAGGCCAGGGAGAGGCGCAGGAGCCTTTGCAGCCACGCG
 CGCGCCTTCCCTGTCTTGTGTGCTTCGCGAGGTAGAGCGGGCGCGCGCAGCGCGGGGA
 TTACTTTGCTGTAGTTTCGTTTCGCGGAGCGGGGTGTAGTCTCGGCGGCAGCGGGC
 GAGACTAGACTATGTCGAGGAGCAGTTTCGCGGGGACGGGGCGCGCAGCGGCAA
 GCGCGCGGTAGCGGCTCGGCGGGGAGCAGGAGGGAGCCATGGTGGCGGCGACACAGG
 GGGCAGCGCGCGGGGAAAGCGGAGCCGGGACCGGGGCGGAACCGCTCTGGAGGCA
 CCGAAGGGGGCAGCGCCGAGTTCGAGGGGGCAAGATTGACGCCAGTAAGAACGAGGAGG
 ATGAAGGGAAAATGTTTATAGGAGGCTTAGCTGGGACTACAAAGAAAGATCTGAAGG
 ACTACTTTTCAAATTTGGTGAAGTTGTAGACTGACTCTGAAGTTAGATCCTATCACAG
 GGCGATCAAGGGTTTTGGCTTTGTGCTATTTAAAGAATCGGAGAGTGTAGATAAGGTCA
 TGGATCAAAAAGAACATAAATTGAATGGGAAGGTGATTGATCCTAAAAGGGCCAAAGCCA
 TGAACAAAAGAGCCGTTAAAAAATTTTTGTTGGTGGCCTTTCTCCAGATACACCTG
 AAGAGAAAATAAGGGAGTACTTTGGTGGTTTTGGTGGAGTGAATCCATAGAGCTCCCA
 TGGACAACAAGACCAATAAGAGGCGTGGTTCTGCTTTATTACCTTTAAGGAAGAAGAAC
 CAGTGAAGAAGATAATGGAAGAAATACCACAATGTTGGTCTTAGTAAATGTGAATAA
 AAGTAGCCATGTCGAAGGAAACAATACAGCAACAGCAACAGTGGGGATCTAGAGGAGGAT
 TTGCAGGAAGAGCTCGTGAAGAGGTGGTGGCCCCAGTAAAAGTGAACAGGGATATA
 GTAATTTGGAATCAAGGCTATGGCAACTATGGATATAACAGCCAAGGTTACGGTGGTT
 ATGGAGGATATGACTACACTGGTTACAACAATACTATGGATATGGTATTATAGCAACC
 AGCAGAGTGGTTATGGGAAGGTATCCAGCGGAGGTGGTGCATCAAAATAGCTACAAACAT
 ACTAAATTTATCCATTTGCAACTTATCCCAACAGGTGGTGAAGCAGTATTTTCCAAATTT
 GAAGATTCATTTGAAGGTGGCTCCTGCCACCTGCTAATAGCAGTTCAAACATAATTTTTT
 GTATCAAGTCCCTGAATGGAAGTATGACGTTGGTCCCTCTGAAGTTAATTCTGAGTTC
 TCATTAAGAAATTTGCTTTTATTGTTTTATTCTTAATTGCTATGCTTCAGAATCAAT
 TTGTGTTTTATGCCCTTTCCCCAGTATTGTAGAGCAAGTCTTGTGTTAAAGGCCAGTG
 TGACAGTGTGATGATGATGAGTGTCTTACTGGTTTTTAATAAATCCTTTGTATAAAA
 AAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_031369 unedited
 GATATTTGTATACGACTCACTATAGGGCGGCNCGCAATTTCGCACGAGGCCGCGCTGGT
 GCTTATTTCTTTTTAGTGCAGCGGGAGAGAGCGGGAGTGTGCGCCGCGCGAGAGTGGGAG
 GCGAAGGGGGCAGGCCAGGGAGAGGCGCAGGAGCCTTTGCAGCCACGCGCGCCTTCCC
 TGTCTTGTGTGCTTCGCGAGGTAGAGCGGGCGCGCGCAGCGGGGATTACTTTGCTG
 CTAGTTTCGTTTCGCGGAGCGGGGTGTAGTCTCGGCGGCAGCGGGGAGACTAGC
 ACTATGTCGAGGAGCAGTTTCGCGGGGACGGGGCGCGCAGCGGCAACGGCGCGGTA
 GCGGCTCGGCGGCGAGCAGGAGGGAGCCATGGTGGCGCGACACAGGGGGCAGCGGGC
 GCGGCGGGAAGCGGAGCCGGGACCGGGGCGGAACCGCTCTGGAGGCACCGAAGGGGGC
 AGCGCCGAGTCGAGGGGGCGAAGATTGACGCCAGTAAGAACGAGGAGGATGAAGGGAAA
 ATGTTTATAGGAGGCTTAGCTGGGACTACAAAGAAAGATCTGAAGGACTACTTTTCC
 AAATTTGGTGAAGTTGTAGACTGACTCTGAAGTTAGATCCTATCACAGGGCGATCAAGG
 GGTGTTGGCTTTGTGCTATTTAAAGAATCGGAGAGTGTAGATAAGGTGATGGATCAAAAG
 AAACATAAATGAATGGGAAGGTGATTGATCCTAAAGGGCCAAAGCCATGTAACANAAGA
 GCCGNTAAAAAATTTNGTTGGTGGCCTTTCTCCAGAACACCNTGAGAGANATAGGNAG
 TACTCTGNTGGGTTTGGTGGAGTGAATCATAGAGCTCCCATGGAACACAGACATAGAG
 GCGTGGTCTGCTTATACCTTAGGAGAAGACCAGTGAGAGATATGGAAGAACCACATG
 TTGGCTATAAAGTGAATAAAGACCTGN

Restriction Sites: NotI-NotI
ACCN: NM_031369

Insert Size:	1700 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).
OTI Annotation:	It is not a variant.
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:	NM_031369.2 , NP_112737.1
RefSeq Size:	2200 bp
RefSeq ORF:	1011 bp
Locus ID:	3184
UniProt ID:	Q14103
Cytogenetics:	4q21.22
Domains:	RRM
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame segment, compared to variant 1. The resulting isoform (b), also known as p42, is shorter than isoform a.</p>