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Product datasheet for SC107836

HNRNPD (NM_031370) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPD (NM_031370) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRNPD
Synonyms:	AUF1; AUF1A; hnRNPD0; HNRPD; P37
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC107836 sequence for NM_031370 edited (data generated by NextGen Sequencing)

ATGTCGGAGGAGCAGTTCGGCGGGGACGGGGCGGCGGCAGCGGCAACGGCGGCGGTAGGC
GGCTCGGCGGGCGAGCAGGAGGGAGCCATGGTGGCGGCGACACAGGGGGCAGCGGCGGCG
GCGGGAAGCGGAGCCGGGACCGGGGGCGGAACCGCGTCTGGAGGCACCGAAGGGGGCAGC
GCCGAGTCGGAGGGGGCGAAGATTGACGCCAGTAAGAACGAGGAGGATGAAGGCCATTCA
AACTCCTCCCCACGACACTCTGAAGCAGCGACGGCACAGCGGGAAGAATGGAAAATGTTT
ATAGGAGGCCTTAGCTGGGACACTACAAAGAAAGATCTGAAGGACTACTTTTCCAAATTT
GGTGAAGTTGTAGACTGCACTCTGAAGTTAGATCCTATCACAGGGCGATCAAGGGGTTTT
GGCTTTGTGCTATTTAAAGAATCGGAGAGTGTAGATAAGGTCATGGATCAAAAAGAACAT
AAATTGAATGGGAAGGTGATTGATCCTAAAAGGGCCAAAGCCATGAAAACAAAAGAGCCG
GTTAAAAAAATTTTTGTTGGTGGCCTTTCTCCAGATACACCTGAAGAGAAAATAAGGGAG
TACTTTGGTGGTTTTGGTGAGGTGGAATCCATAGAGCTCCCCATGGACAACAAGACCAAT
AAGAGGCGTGGGTTCTGCTTTATTACCTTTAAGGAAGAAGAACCAGTGAAGAAGATAATG
GAAAAGAAATACCACAATGTTGGTCTTAGTAAATGTGAAATAAAAGTAGCCATGTCGAAG
GAACAATATCAGCAACAGCAACAGTGGGGATCTAGAGGAGGATTTGCAGGAAGAGCTCGT
GGAAGAGGTGGTGGCCCCAGTCAAAACTGGAACCAGGGATATAGTAACTATTGGAATCAA
GGCTATGGCAACTATGGATATAACAGCCAAGGTTACGGTGGTTATGGAGGATATGACTAC
ACTGGTTACAACAACTACTATGGATATGGTGATTATAGCAACCAGCAGAGTGGTTATGGG
AAGGTATCCAGGCGAGGTGGTCATCAAAATAGCTACAAACCATACTAA

Clone variation with respect to NM_031370.2

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031370 unedited
TTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCGCGGCGGCGCCAT
TAAAGCGAGGAGGAGGCGAGAGCGGCCGCCGCTGGTGCTTATTCTTTTTTAGTGCAGCGG
GAGAGAGCGGGAGTGTGCGCCGCGCGAGAGTGGGAGGCGAAGGGGGCAGGCCAGGGAGAG
GCGCAGGAGCCTTTGCAGCCACGCGCGCGCCTTCCCTGTCTTGTGTGCTTCGCGAGGTAG
AGCGGGCGCGCGGCAGCGGCGGGGATTACTTTGCTGCTAGTTTCGGTTCGCGGCAGCGGC
GGGTGTAGTCTCGGCGGCAGCGGCGGAGACACTAGCACTATGTCGGAGGAGCAGTTCGGC
GGGGACGGGGCGGCGGCAGCGGCAACGGCGGCGGTAGGCGGCTCGGCGGGCGAGCAGGAG
GGAGCCATGGTGGCGGCGACACAGGGGGCAGCGGCGGCGGCGGGAAGCGGAGCCGGGACC
GGGGGCGGAACCGCGTCTGGAGGCACCGATAGGGGCAGCGCCGAGTCGGAGGGGGCGAAG
ATTGACGCCAGTAAGAACGAGGAGGATGAAGGCCATTCAAACTCCTCCCCACGACACTCT
GAAGCAGCGACGGCACAGCGGGAAGAATGGAAAATGTTTATAGGAGGCCTTAGCTGGGAC
ACTACAAAGAAAGATCTGAAGGACTACTTTTCCANATTTGGTGAAGTTGTAAACTGCACT
CCTGAGTTAGATCCTATCACAGGGCGATCAAGGGGGTTTGGGCTTTGTGCTATTTAAAGA
ATCGGAGAGTGTAAATAAGGTCATGGATCCAAAAGACATAAATTGATGGGAAGGTGATTG
ATCCTAAAGGCCCAAAGCCATGAAACAAAANACCCGTTTAAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031370 unedited
TGGCTATATTACAAAACANTAAGNAACTACTACATCATGACACTGTCACACTGGNGCTTT
TAACACAAGACTTGCTCTACAATACTGGGGGAAAGGGCATAAAACACAAATTGATTCTGA
AGCATAGCAATTAAGAAATAAAACAATGAAAGCAAATTTCTTTTAATGAGAACTCAGAAT
TAAACTTCAGAGGGACCCAACGTCATACTTCCATTCAGGGACTTGATACAAAAAATTTAG
TTTGAACTGCTATTAGCAGGTGGCAGGAGCCACCTTCAAATGAATCTTCAAATTGGAAAA
TACTGCTTCACCACCTGTTGGGGATAAGTTGCAAATGGAATAATTTAGTATGGTTTGTAG
CTATTTTGATGACCACCTCGCCTGGATACCTTCCCATAACCACTCTGCTGGTTGCTATAA
TCACCATATCCATAGTAGTTGTTGTAACCAGTGTAGTCATATCCTCCATAACCACCGTAA
CCTTGGCTGTTATATCCATAGTTGCCATAGCCTTGATTCCAATAGTTACTATATCCCTGG
TTCCAGTTTTGACTGGGGCCACCACCTCTTCCACGAGCTCTTCCTGCAAATCCTCCTCTA
GATCCCCACTGTTGCTGTTGCTGATATTGTTCCTTCGACATGGCTACTTTTATTTCACAT
TTACTAAGACCAACATTGTGGTATTTCTTTTCCATTATCTTCTTCACTGGTTCTTCTTCC
TTAAAGTAATAAAGCAGAACCCACGCCTCTTATTGGTCTTGTTGTCCATGGGGAGCTCTA
TGGATTCCACCTCACCAAAACCACCAAAGTACTCCCTTATTTTCTCTTCAGGTGTATCTG
GAGAAAGCCACCAACANAATTTTTTTAACCGCTCTTTTGTTTCATGGCTTTGGCCTTTTA
GATCATCACCTTCCATTCATTNATGTCTTTTGACCATGACCTTACTACCTCTNCGATCTT
TAATGCACAAGNCAAACCCTN

Restriction Sites: NotI-NotI

ACCN: NM_031370

Insert Size: 1820 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:	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_031370.2, NP_112738.1
RefSeq Size:	2257 bp
RefSeq ORF:	1068 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 (1) encodes the longest isoform (a), also known as p45.