

Product datasheet for **RC222094**

HNRNPD (NM_031369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRNPD (NM_031369) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HNRNPD
Synonyms:	AUF1; AUF1A; hnRNP0; HNRPD; P37
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC222094 representing NM_031369 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCGGAGGAGCAGTTCGGCGGGGACGGGGCGGCGGACGCGCAACGGCGGCGGTAGCGGCTCGGCGG
GCGAGCAGGAGGGAGCCATGGTGGCGGCGACACAGGGGGCAGCGCGCGCGGGAAGCGGAGCCGGGAC
CGGGGGCGGAACCGCGTCTGGAGGCACCGAAGGGGGCAGCGCGAGTCCGAGGGGGCGAAGATTGACGCC
AGTAAGAACGAGGAGGATGAAGGAAAAATGTTTATAGGAGGCCTTAGCTGGGACACTACAAGAAAGATC
TGAAGGACTACTTTTCCAAATTTGGTGAAGTTGTAGACTGCACTCTGAAGTTAGATCCTATCACAGGGCG
ATCAAGGGGTTTTGGCTTTGTGCTATTTAAAGAATCGGAGAGTGTAGATAAGGTCATGGATCAAAAAGAA
CATAAATTGAATGGGAAGGTGATTGATCCTAAAAGGGCCAAAGCCATGAAAACAAAAGAGCCGGTAAAA
AAATTTTTGTTGGTGGCCTTTCTCCAGATACACCTGAAGAGAAAAAAGGGAGTACTTTGGTGGTTTTGG
TGAGGTGGAATCCATAGAGCTCCCCATGGACAACAAGACCAATAAGAGGCGTGGGTTCTGCTTTATTACC
TTAAGGAAGAAGAACCAGTGAAGAAGATAATGGAAAAGAAATACCACAATGTTGGTCTTAGTAAATGTG
AAATAAAGTAGCCATGTGAAGGAACAATATCAGCAACAGCAACAGTGGGGATCTAGAGGAGGATTTGC
AGGAAGAGCTCGTGAAGAGGTGGTGGCCCCAGTCAAACTGGAACCAGGGATATAGTAACTATTGGAAT
CAAGGCTATGGCAACTATGGATATAACAGCCAAGGTTACGGTGGTTATGGAGGATATGACTACACTGGTT
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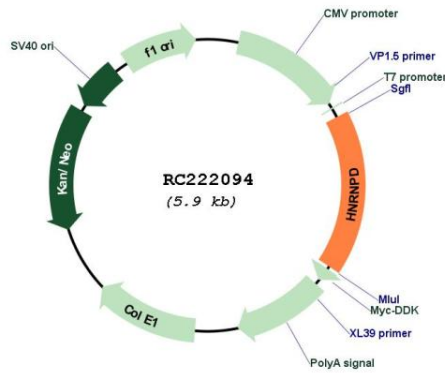
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



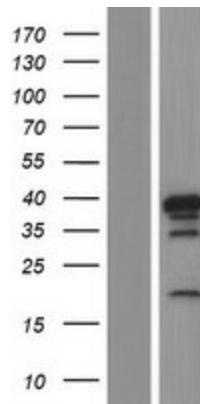
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Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex 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
MW:	36.1 kDa
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>

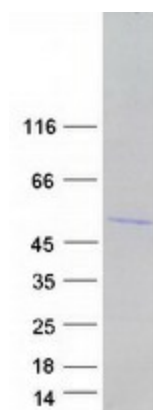
Product images:



Circular map for RC222094



Western blot validation of overexpression lysate (Cat# [LY410547]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222094 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HNRNPD protein (Cat# [TP322094]). The protein was produced from HEK293T cells transfected with HNRNPD cDNA clone (Cat# RC222094) using MegaTran 2.0 (Cat# [TT210002]).