

Product datasheet for RC212612

hnRNP F (HNRNPF) (NM_001098205) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP F (HNRNPF) (NM_001098205) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	hnRNP F
Synonyms:	HNRPF; mcs94-1; OK/SW-cl.23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212612 representing NM_001098205 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCTGGGCCCTGAGGGAGGTGAAGGCTTTGTGGTCAAGCTCCGTGGCCTGCCCTGGTCTGCTCTG
TTGAGGACGTGCAGAACTTCTCTCTGACTGCACGATTATGATGGGGCCGAGGTGCCATTTTCATCTA
CACTAGAGAGGGCAGGCAGAGTGGTGGGCTTTGTTGAAGTGGATCAGAAGATGATGAAAAATGGCC
CTGAAAAAAGACAGGGAAAGCATGGGACACCGGTACATTGAGGTGTTCAAGTCCCACAGAACCGAGATGG
ATTGGGTGTTGAAGCACAGTGGTCCCAACAGTCCGACAGCGCCAACGATGGCTTCGTGGCCTTCGAGG
ACTCCCATTTGGATGCACAAAGGAAGAAATTTTCAGTTCCTTCAGGGTTGAAATTTGTCACAAACGGG
ATCACATTGCCTGTGGACCCCAAGGCAAGATTACAGGGGAAGCGTTCGTGCAGTTTGCCTCGCAGGAGT
TAGCTGAGAAGGCTCTAGGGAAACACAAGGAGAGGATAGGGCACAGGTACATTGAGGTGTTAAGAGCAG
CCAGGAGGAAGTTAGGTCATACTCAGATCCCCCTCTGAAGTTCATGTCCGTGCAGCGCCAGGGCCCTAT
GACCGGCCCGGACTGCCAGGAGGTACATTGGCATCGTGAAGCAGGCAGGCCTGGAAGGATGAGGCCTG
GTGCCTACAGCACAGGCTACGGGGGCTACGAGGAGTACAGTGGCCTCAGTGATGGCTACGGCTTACCAC
CGACCTGTTCCGGAGAGACCTCAGTACTGTCTCTCCGAATGTATGACCACAGATACGGCGACAGTGAG
TTCACAGTGCAGAGCACACAGCCACTGTGTCCACATGAGGGCCTGCCGTACAAGCGACCCGAGAAGC
ACATTTACAACCTTCTCTCTCTCAACCCTGTGAGAGTCCATATTGAGATTGGCCAGATGGAAGAGT
GACGGGTGAAGCAGATGTTGAGTTTGCTACTCATGAAGAAGTGTGGCAGCTATGTCCAAAGACAGGGCC
AATATGCAGCACAGATATATAGAATCTTCTTGAATTCACAACAGGGGCCAGCAATGGGGCGTATAGCA
GCCAGGTGATGCAAGGCATGGGGGTGTCTGCTGCCAGGCCACTTACAGTGGCCTGGAGAGCCAGTCAGT
GAGTGGCTGTTACGGGGCCGGCTACAGTGGGCAGAACAGCATGGGTGGCTATGAC

ACGGCTACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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- 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_001098205.1](#), [NP_001091675.1](#)

RefSeq Size: 2690 bp

RefSeq ORF: 1248 bp

Locus ID: 3185

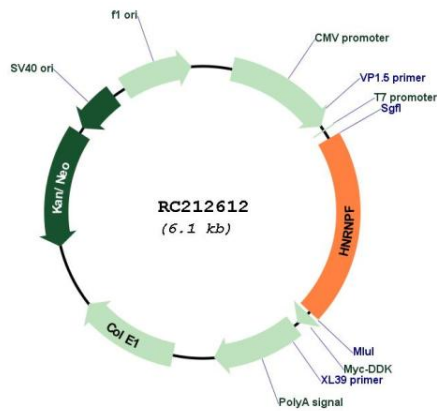
UniProt ID: [P52597](#)

Cytogenetics: 10q11.21

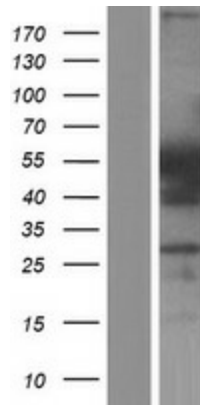
MW: 45.7 kDa

Gene Summary: This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins that complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and regulate alternative splicing, polyadenylation, 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 three repeats of quasi-RRM domains that bind to RNAs which have guanosine-rich sequences. This protein is very similar to the family member hnRPH. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Jul 2008]

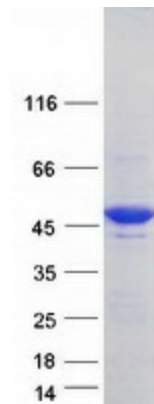
Product images:



Circular map for RC212612



Western blot validation of overexpression lysate (Cat# [LY420554]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC217995] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HNRNPF protein (Cat# [TP312612]). The protein was produced from HEK293T cells transfected with HNRNPF cDNA clone (Cat# RC212612) using MegaTran 2.0 (Cat# [TT210002]).