

Product datasheet for MR206178

Hnrpf (BC089313) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Hnrpf
Synonyms:	MGC36971
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR206178 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGGTCAATTGAGGACGTACAAAACCTTCTCTCCGACTGCACAATTCATGATGGGGTCGCAGGTGTTT
 ATTTCAATTTACTAGAGAAGGCAGGCAGAGTGGTGAGGCTTTTGTGAACTTGAGTCAGAAGATGATGT
 AAAATTGGCTCTGAAAAAGACAGGGAAAGCATGGGACACCGGTATATTGAGGTGTTCAAGTCACACAGA
 ACCGAGATGGATTGGGTGTTGAAGCACAGTGGTCCAAACAGCGCCGACAGTGCCAATGATGGCTTTGTGA
 GGCTTCGGGGACTCCCATTTGGATGCACAAAGGAAGAAATCGTTTCAGTTCTTCTCAGGGTTGGAAATTGT
 GCCAAACGGGATCACACTACCTGTGGACCCGGAAGGCAAGATTACAGGGGAGGCCTTCGTTTCAGTTTGC
 TCACAAGAGTTAGCTGAGAAAGCTTTAGGGAAGCACAAAGGAGAGAATAGGGCACAGGTATATTGAAGTGT
 TTAAGAGCAGTCAGGAGGAAGTTAGATCATACTCAGATCCACCTCTGAAGTTTATGTCTGTGCAAAGGCC
 TGGGCTTATGACAGGCCTGGCACAGCCCGGAGGTACATTGGCATTGTGAAACAGGCAGGTCTGGATAGG
 ATGAGGTCTGGTGCCTATAGTGCAGGCTATGGGGCTATGAAGAATACAGTGGCCTCAGTATGGCTATG
 GCTTCACCACTGACCTGTTGGGAGAGACCTCAGCTATTGTCTCTCAGGAATGTATGACCACAGATATGG
 AGACAGCGAGTTCACAGTGCAGAGCACACCAGCCACTGCGTCCACATGAGAGGGCTGCCCTACAAGCA
 ACGGAGAAGCAGATTTACAACCTTCTCTCCACTCAACCCTGTGAGAGTTTCATATTGAGATTGGTCTG
 ATGGAAGAGTGACGGGAGAAGCTGATGTTGAGTTTGTACTCATGAAGAAGCAGTGGCAGCTATGTCCAA
 GGACAGGGCCAACATGCAGCACAGATACATAGAATCTTCTGAATTCAACAACAGGGGCTAGCAATGGG
 GCTTATAGCAGCCAGGTGATGCAGGCATGGCGTGTGAGTCCAGGCAACTTACAGTGGCCTGGAGA
 GCCAGTCAGTGAGTGGCTGTTACGGGGCCGGCTACAGCGGTGAGAACAGCATGGCGGATATGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206178 protein sequence
 Red=Cloning site Green=Tags(s)

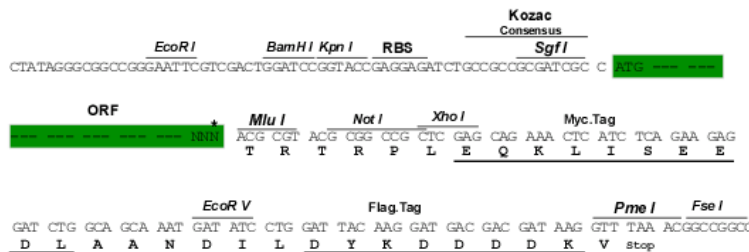
MWSIEDVQNFLSDCTIHDGVAGVHFIYTRGRQSGEAFVELESEDDVKLALKKDRESMGHRYIEVFKSHR
 TEMDWVLKHSGPSADSANDGFVRLRGLPFGCTKEEIVQFFSGLIIVPNGITLTPVDPEGKITGEAFVQFA
 SQLEAEKALGKHKERIGHRYIEVFKSSQEEVRSYSDPPLKFMVQRPYDRPGTARRYIGIVKQAGLDR
 MRSGAYSAGYGGYEEYSGLSGYYGFTTDLFGRDLSYCLSGMYDHRVGDSEFTVQSTTGHCVHMRGLPYKA
 TENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEFATHEEAVAAMSKDRANMQHRYIELFLNSTTGASNG
 AYSSQVMQGMGVSAAQATYSGLSQSVSGCYGAGYSGQNSMGGYD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC089313

ORF Size: 1185 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC089313](#), [AAH89313](#)

RefSeq Size: 2133 bp

RefSeq ORF: 1187 bp

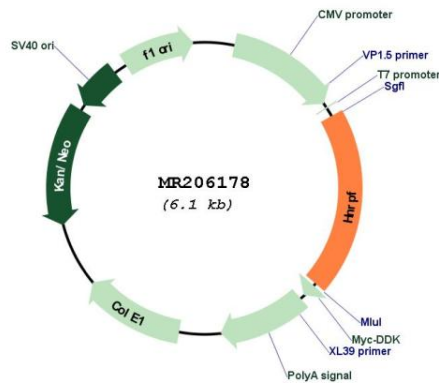
Locus ID: 98758

Cytogenetics: 6 F1

MW: 43.7 kDa

Gene Summary: Component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. Plays a role in the regulation of alternative splicing events. Binds G-rich sequences in pre-mRNAs and keeps target RNA in an unfolded state (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206178