

Product datasheet for **RG212850**

hnRNP F (HNRNPF) (NM_001098204) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	hnRNP F (HNRNPF) (NM_001098204) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	hnRNP F
Synonyms:	HNRPF; mcs94-1; OK/SW-cl.23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212850 representing NM_001098204 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATGCTGGGCCCTGAGGGAGGTGAAGGCTTTGTGGTCAAGCTCCGTGGCCTGCCCTGGTCTGCTCTG
 TTGAGGACGTGCAGAACTTCTCTCTGACTGCACGATTTCATGATGGGGCCGAGGTGTCCATTTTCATCTA
 CACTAGAGAGGGCAGGCAGAGTGGTGAAGCTTTTGTGAAGTGGATCAGAAGATGATGAAAAATGGCC
 CTGAAAAAAGACAGGGAAAGCATGGGACACCGGTACATTGAGGTGTTCAAGTCCACAGAACCGAGATGG
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 ACTCCCATTTGGATGCACAAAGGAAGAAATTGTTCAAGTCTTCTCAGGGTTGGAATTGTGCCAAACGGG
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 TAGCTGAGAAGGCTCTAGGGAAACACAAGGAGAGGATAGGGCACAGGTACATTGAGGTGTTTAAGAGCAG
 CCAGGAGGAAGTTAGGTCATACTCAGATCCCCCTCTGAAGTTCATGTCCGTGCAGCGGCCAGGGCCCTAT
 GACCGGCCCGGACTGCCAGGAGGTACATTGGCATCGTGAAGCAGGCAGGCCTGGAAGGATGAGGCCTG
 GTGCCTACAGCACAGGCTACGGGGGCTACGAGGAGTACAGTGGCCTCAGTGATGGCTACGGCTTCACCAC
 CGACCTGTTCCGGAGAGACCTCAGTACTGTCTCTCCGAATGTATGACCACAGATACGGCGACAGTGAG
 TTCACAGTGCAGAGCACACAGGCCACTGTGCCACATGAGGGGCTGCCGTACAAAGCGACCGAGAAGC
 ACATTTACAACCTTCTCTCTCTCAACCTGTGAGAGTCCATATTGAGATTGGCCAGATGGAAGAGT
 GACGGGTGAAGCAGATGTTGAGTTTGTACTCATGAAGAAGCTGTGGCAGCTATGTCCAAAGACAGGGCC
 AATATGCAGCACAGATATATAGAACTCTTCTTGAATTCACAAACAGGGGCCAGCAATGGGCGTATAGCA
 GCCAGGTGATGCAAGGCATGGGGGTGTCTGCTGCCAGGCCACTTACAGTGGCCTGGAGAGCCAGTCAGT
 GAGTGGCTGTTACGGGGCCGGCTACAGTGGGCAGAACAGCATGGGTGGCTATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212850 representing NM_001098204
 Red=Cloning site Green=Tags(s)

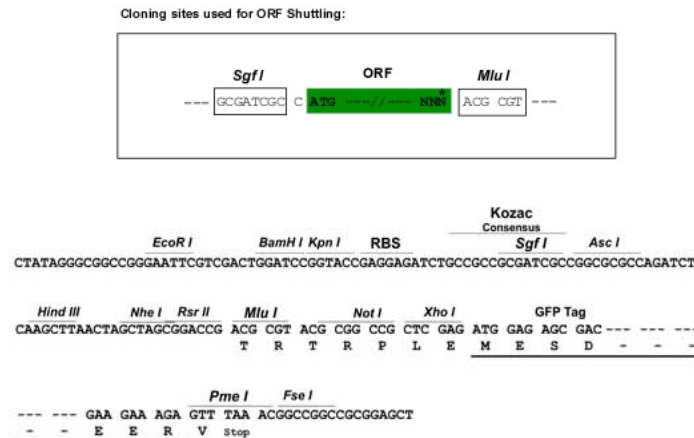
MMLGPEGGEFVVKLRGLPWSCSVEDVQNFLSDCTIHDGAAGVHFITYTREGRQSGEAFVELGSEDDVKMA
 LKKDRESMGHRYIEVFKSHRTEMWVLKHSGPNSADSANDGFVRLRGLPFGCTKEEIVQFFSGLEIVPNG
 ITLPVDPEGKITGEAFVQFASQELAELKALKHGERIGHRYIEVFKSSQEEVRSYSDPPLKFMSVQRP
 DRPGTARRYIGIVKQAGLERMRPGAYSTGYGGYEEYSGLSGDYGFITDLFGRDLSYCLSGMYDHR
 YGDSEFTVQSTTGHCVMRGLPYKATENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEFATHEE
 AVAAMSKDRANMQHRYIELFLNSTTGASNGAYSSQVMQGMGVSAQAATYSGLESQSVSGCYGAGYSGQNSMGGYD

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001098204

ORF Size: 1245 bp

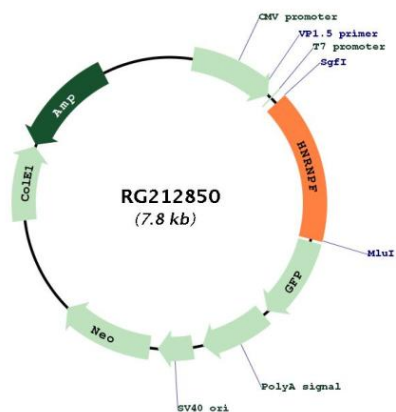
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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:	<u>NM_001098204.1, NP_001091674.1</u>
RefSeq Size:	2650 bp
RefSeq ORF:	1248 bp
Locus ID:	3185
UniProt ID:	<u>P52597</u>
Cytogenetics:	10q11.21
Gene Summary:	<p>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]</p>

Product images:



Circular map for RG212850