

Product datasheet for **MG218542**

Hnrnpf (NM_001166431) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hnrnpf (NM_001166431) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hnrnpf
Synonyms: 4833420I20Rik; AA407306; Hnrpf
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG218542 representing NM_001166431
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCTGGGCCCTGAGGGAGGTGAAGGCTATGTGGTCAAACCTCCGTGGCCTACCTGGTCTGCTCAA
 TTGAGGACGTACAAAACCTCCTCCTCCGACTGCACAATTCATGATGGGGTGCAGGTGTTCAATTCATTTA
 TACTAGAGAAGGCAGGCAGAGTGGTGGGCTTTTGTGAACTTGAGTCAGAAGATGATGAAAATTGGCT
 CTGAAAAAAGACAGGGAAAGCATGGGACACCGGTATATTGAGGTGTTCAAGTCACACAGAACCGAGATGG
 ATTGGGTGTTGAAGCACAGTGGTCCAAACAGCGCCGACAGTGCCAATGATGGCTTTGTGAGGCTTCGGGG
 ACTCCCATTTGGATGCACAAAGGAAGAAATCGTTCAGTTCCTCAGGGTTGAAAATTGTGCCAAACGGG
 ATCACACTACCTGTGGACCCGGAAGCAAGATTACAGGGGAGGCCCTTCGTTCAAGTTTGCCTCACAAAGAT
 TAGCTGAGAAAGCTTTAGGGAAGCACAAGGAGAGAATAGGGCACAGGTATATTGAAGTGTAAAGAGCAG
 TCAGGAGGAAGTTAGATCATACTCAGATCCACCTCTGAAGTTTATGTCTGTGCAAAGGCCTGGGCCCTTAT
 GACAGGCTGGCACAGCCCGGAGGTACATTGGCATTGTGAAACAGGCAGGTCTGGATAGGATGAGGTCTG
 GTGCCTATAGTGCAGGCTATGGGGCTATGAAGAATACAGTGGCCTCAGTGATGGCTATGGCTTACCAC
 TGACCTGTTTGGGAGAGACCTCAGTATTGTCTCAGGAATGTATGACCACAGATATGGAGACAGCGAG
 TTCACAGTGCAGAGCACACCAGCCACTGCGTCCACATGAGAGGGCTGCCCTACAAGCAACGGAGAACG
 ACATTTACAACCTTCTCCTCCACTCAACCCTGTGAGAGTTCATATTGAGATTGGTCTGATGGAAGAGT
 GACGGGAGAAGCTGATGTTGAGTTTGCTACTCATGAAGAAGCAGTGGCAGCTATGTCCAAGGACAGGGCC
 AACATGCAGCACAGATACATAGAACTCTTCTGAATTCACAACAGGGGCTAGCAATGGGCTTATAGCA
 GCCAGGTGATGCAGGCGATGGGCGTGTGAGTCCAGCTGCCAGGCAACTTACAGTGGCCTGGAGACCGAGT
 GAGTGGCTGTTACGGGGCCGGCTACAGCGGTGAGAACAGCATGGGCGGATATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218542 representing NM_001166431
 Red=Cloning site Green=Tags(s)

MMLGPEGGEGYVVKLRGLPWSCSIEDVQNFLSDCTIHDGVAGVHFITYTREGRQSGEAFVELESEDDVKLA
 LKKDRESMGHRYIEVFKSHRTEMDWLKHSGPNSADSANDGFVRLRGLPFGCTKEEIVQFFSGLEIVPNG
 ITLPVDPEGKITGEAFVQFASQELA EKALGKHKERIGHRYIEVFKSSQEEVRSYSDPPLKFMVSVQRP
 DRPGTARRYIGIVKQAGLDRMRSGAYSAGYGGYEEYSGLSGDYGF TTDLFGRDLSYCLSGMYDHR
 YGDSEFTVQSTTGHCVHMRGLPYKATENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEFATHEE
 AVAAMSKDRANMQHRYIELFLNSTTGASNGAYSSQVMQMGVSAQAATYSGLESQSVSGCYGAGYSGQNSMGGYD

TRTRPLE - GFP Tag - V

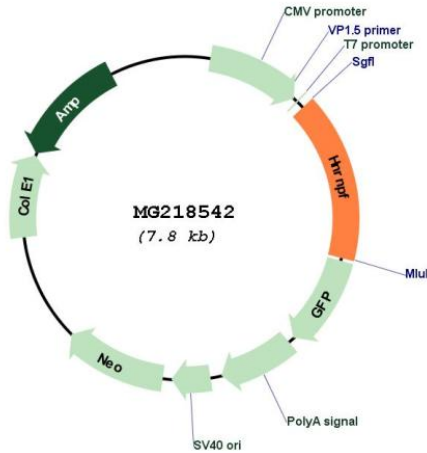
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001166431

ORF Size:	1245 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:	<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_001166431.1 , NP_001159903.1
RefSeq Size:	2487 bp
RefSeq ORF:	1248 bp
Locus ID:	98758
UniProt ID:	Q9Z2X1
Cytogenetics:	6 F1
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]