

## Product datasheet for **MG217114**

### Hnrnpf (NM\_001166430) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Hnrnpf (NM\_001166430) 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:** >MG217114 representing NM\_001166430  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGCTGGGCCCTGAGGGAGGTGAAGGCTATGTGGTCAAACCTCCGTGGCCTACCTGGTCTGCTCAA  
 TTGAGGACGTACAAAACCTCCTCTCCGACTGCACAATTCATGATGGGGTCGCAGGTGTTCAATTCATTTA  
 TACTAGAGAAGGCAGGCAGAGTGGTGGGCTTTTGTGAACTTGAGTCAGAAGATGATGAAAATTGGCT  
 CTGAAAAAAGACAGGGAAAGCATGGGACACCGGTATATTGAGGTGTTCAAGTCACACAGAACCGAGATGG  
 ATTGGGTGTTGAAGCACAGTGGTCCAAACAGCGCCGACAGTGCCAATGATGGCTTTGTGAGGCTTCGGGG  
 ACTCCCATTTGGATGCACAAAGGAAGAAATCGTTCAGTTCCTCTCAGGGTTGAAAATTGTGCCAAACGGG  
 ATCACACTACCTGTGGACCCGGAAGCAAGATTACAGGGGAGGCCCTTCGTTCAAGTTTGCCTCACAAAGAGT  
 TAGCTGAGAAAGCTTTAGGGAAGCACAAGGAGAGAATAGGGCACAGGTATATTGAAGTGTAAAGAGCAG  
 TCAGGAGGAAGTTAGATCATACTCAGATCCACCTCTGAAGTTTATGTCTGTGCAAAGGCCTGGGCCCTTAT  
 GACAGGCCTGGCACAGCCCGGAGGTACATTGGCATTGTGAAACAGGCAGGTCTGGATAGGATGAGGTCTG  
 GTGCCTATAGTGCAGGCTATGGGGCTATGAAGAATACAGTGGCCTCAGTGATGGCTATGGCTTACCAC  
 TGACCTGTTTGGGAGAGACCTCAGTATTGTCTCTCAGGAATGTATGACCACAGATATGGAGACAGCGAG  
 TTCACAGTGCAGAGCACACCAGCCACTGCGTCCACATGAGAGGGCTGCCCTACAAGCAACGGAGAACG  
 ACATTTACAACCTTCTCTCCACTCAACCCTGTGAGAGTTCATATTGAGATTGGTCTGATGGAAGAGT  
 GACGGGAGAAGCTGATGTTGAGTTTGTACTCATGAAGAAGCAGTGGCAGCTATGTCCAAGGACAGGGCC  
 AACATGCAGCACAGATACATAGAACTCTTCTGAATTCACAACAGGGGCTAGCAATGGGCTTATAGCA  
 GCCAGGTGATGCAGGCATGGGCGTGTGAGCTGCCAGGCAACTTACAGTGGCCTGGAGAGCCAGTCAGT  
 GAGTGGCTGTTACGGGGCCGGCTACAGCGTCCAGAACAGCATGGGCGGATATGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217114 representing NM\_001166430  
 Red=Cloning site Green=Tags(s)

MMLGPEGGEGYVVKLRGLPWSCSIEDVQNFLSDCTIHDGVAGVHFITYTREGRQSGEAFVELESEDDVKLA  
 LKKDRESMGHRYIEVFKSHRTEMWVWKHSGPNSADSANDGFVRLRGLPFGCTKEEIVQFFSGLEIVPNG  
 ITLPVDPEGKITGEAFVQFASQELA EKALGKHKERIGHRYIEVFKSSQEEVRSYSDPPLKFMVSVQRP  
 DRPGTARRYIGIVKQAGLDRMRSGAYSAGYGGYEEYSGLSGDYGF TDDL FGRDLSYCLSGMYDHR  
 YGDSEFTVQSTTGHCVMRGLPYKATENDIYNFFSPLNPVRVHIEIGPDGRVTGEADVEFATHEE  
 AVAAMSKDRANMQHRYIELFLNSTTGASNGAYSSQVMQMGVSAQAATYSGLESQSVSGCYGAGYSGQNSMGGYD

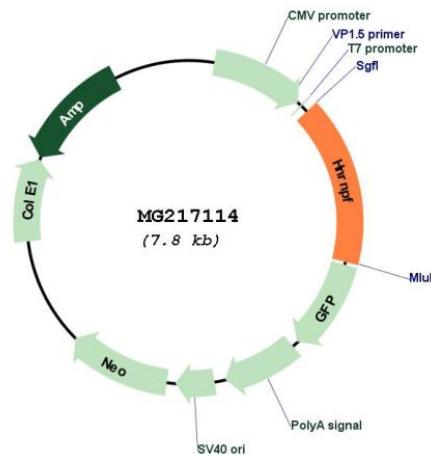
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001166430

<b>ORF Size:</b>	1245 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001166430.1</a> , <a href="#">NP_001159902.1</a>
<b>RefSeq Size:</b>	2548 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	98758
<b>UniProt ID:</b>	<a href="#">Q9Z2X1</a>
<b>Cytogenetics:</b>	6 F1
<b>Gene Summary:</b>	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]