

## Product datasheet for **MG207168**

### **Hnrph2 (BC005461) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hnrph2 (BC005461) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hnrph2
Synonyms:	Ftp-3, Ftp3, H', HNRNP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207168 representing BC005461  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGCTGAGCACAGAGGGCAGGGAGGGGTTCTGGTGAAGGTCAGGGGCTACCTGGTCTGCTCAG  
 CCGAGGAAGTGATGCGCTTCTTCTCTGATTGCAAAATCCAAAATGGCACATCAGGTGTTCTGTTTCATCTA  
 CACCAGAGAAGGCAGACCGAGTGGTGAAGCATTGTGCAACTTGAATCTGAAGATGAAGTAAATTGGCT  
 TAAAGAAAGACAGAAAACCATGGGACACAGATGTTGAAGTATTCAAATCCAACAGTGTGAAATGG  
 ATTGGGTGTTAAAGCATAACAGTCCAAATAGTCTGATACTGCCAATGATGGTTTTGTACGACTCAGAGG  
 ACTCCATTGGCTGTAGCAAGGAAGAAATTTTCAGTCTTTTTTCAGGGTTGAAATTTGCCAAATGGG  
 ATGACTGCCAGTGGACTTTTCAGGGCGGAGCACAGGGGAAGCTTTTGTGCAGTTTGTTCACAGGAGA  
 TAGCTGAGAAGGCCTTAAAGAAACACAAGGAAAGAATAGGGCATAGGTACATCGAAATCTTCAAGAGTAG  
 CCGAGCTGAAGTCCGAACCCACTATGATCCACCTAGAAAAGCTCATGACTATGCAGCGCCCGGGTCTTAC  
 GATAGGCCAGGGGCTGGAAGAGGGTATAATAGCATTGGCAGAGGAGCCGGGTTTGAAGAATGAGGCGGG  
 GTGCCTATGGTGGAGGGTATGGAGGCTATGATGACTATGGAGGTTATAATGACGGGTATGGTTTTGGGTC  
 TGATAGATTTGGAAGAGACCTAAACTACTGTTTCTCAGGAATGTCTGATCATAGATATGGAGATGGTGGG  
 TCCAGTTTCCAGAGCACCACGGGCACTGTGTACATATGAGGGGGTTACCATACAGAGCCACCGAGAATG  
 ATATTTACAATTTTTTCTCACCTCTTAATCCCATGAGAGTGCACATTGAAATAGGACCTGATGGAAGAGT  
 TACTGGTGAGGCAGATGTTGAGTTTGTACTCATGAAGACGCTGTGCCAGCTATGGCAAAAGATAAAGCA  
 AATATGCAACACAGATATGTGGAGCTCTTCTTGAATTCTACCGCAGGGACAAGTGGAGGAGCTTATGATC  
 ATAGCTATGTAGAGCTCTTTTTGAATTCTACAGCAGGGCAAGTGGTGGTCTTACGGTAGCCAGATGAT  
 GGGAGGGGATGGGTTTATCCAACCAAGTCTAGTTATGGAGGTCGGCCAGCCAGCAGCTGAGTGGTGGCTAT  
 GGAGGGGTTATGGTGGTCAAGAGCAGTATGAGTGGATATGACCAAGTTCTTCAGGAAAACCAAGTACT  
 ATCAGTCAAACCTTGCT

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207168 representing BC005461  
 Red=Cloning site Green=Tags(s)

MMLSTEGREGFVVKVRGLPWSCSAEEVMRFFSDCKIQNGTSGVRFIYTREGRPSGEAFVELESEDEVKLA  
 LKKDRETMGHRYVEVFKSNSVEMDWLKHGPNPDTANDGFVRLRGLPFGCSKEEIVQFFSGLIIVPNG  
 MTLPVDFQGRSTGEAFVQFASQIEAEKALKKKKERIGHRYIEIFKSSRAEVRTHYDPPRKLMTMQRPGPY  
 DRPGAGRGYNSIGRGAGFERMRRGAYGGYGGYDDYGGYNDGYGFGSDRFGRDLNYCFSGMSDHRYGDGG  
 SSFQSTTGHCVHMRGLPYRATENDIYNFFSPLNPMRVHIEIGPDGRVTGEADVEFATHEDAVAAMAKDKA  
 NMQHRYVELFLNSTAGTSGGAYDHSYVELFLNSTAGASGGAYGSQMMGGMGLSNQSSYGGPASQQLSGGY  
 GGGYGGQSSMSGYDQVLQENSSDYQSNLA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** BC005461

**ORF Size:** 1349 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.

**RefSeq:** [BC005461](#), [AAH05461](#)

**RefSeq Size:** 2365 bp

**RefSeq ORF:** 1349 bp

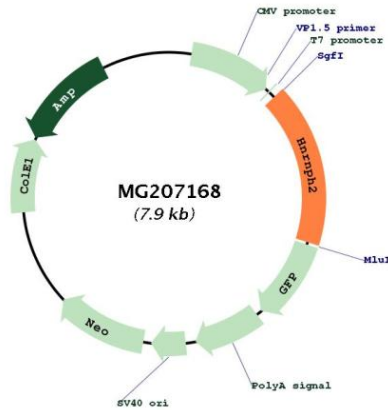
**Locus ID:** 56258

**Cytogenetics:** X 56.2 cM

**Gene Summary:**

This protein is a 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. Binds poly(RG) (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG207168