

## Product datasheet for **MG208168**

### **Fip111 (BC003263) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fip111 (BC003263) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fip111
Synonyms:	1300019H17Rik; Rje
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG208168 representing BC003263  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGCCGGCAGGTGGAGCGCTGGTGGAGCTGAGCGCGGGACCGAGGGGATGAGGAGGAAGAGT  
 GGCTGTATGGCGGCCCGTGGGACGTGCATGTGCACAGTGACTTGGCAAAGGATCTAGATGAGAATGAAGT  
 TGAAAGGCCAGAAGAAGAAAATGCCAGTCTAATCCTCCATCTGGAATTGAAGAAGAAGCTGCTGAAAAT  
 GGCGTGGCAAACCGAAAGTGACAGAGACTGAAGACGACAGTGATAGTGACAGTGACGATGATGAAGATG  
 ATGTTACGTCCTATAGGAGACATCAAAACAGGAGCACCACAGTATGGGAGTTATGGAACAGCACCAGT  
 AAATCTTAATATCAAGGCAGGGGAAGAGTTTATGAAAATACAGGAACCAAAGTCAAAGGAGTGGACCTC  
 GATGCACCTGGCAGCATTAAATGGAGTCCACTCTTGAAGTAGATCTGGATTCTTTTGAAGATAAACCAT  
 GCGGAAACCTGGTGTGATCTTTCTGATTATTTAACTATGGCTTTAATGAAGATACTTGGAAAGCTTA  
 CTGTGAAAAACAAAAGAGGATACGAATGGGACTGGAAGTTATACCTGTTACTTCAACCACAAAACAAGATT  
 ACGGCCGAAGACTGTACTATGGAAGTTACACCAGGTGCAGAGATCCAAGATGGCAGATCCAATCTTTTTA  
 AGGTACAGCAAGGGAGAAGTGGAAATTCAGAGAAAAGAAGCAGCACTTCCATCTACAAAAGCTGAGTTTAC  
 TTCTCCGCCATCATTGTTCAAGACTGGTCTGCCACCAAGCAGAAAACAGCACCTCTTCTCAGTCTCAGACA  
 AGTACTGCCTCCAGAAAAGCCAGTTCAAGCGTTGGGAAGTGGCAGGATCGATATGGGAGGGCCGAGTCA  
 CTGATCTAAGGAGATTACCTGGAGCAATTGATGTCTGGTCAACAATAAACCATCAGCCGAGTGGAAAGG  
 AAGACGGCGTGCAATGAGAACAGCAATATACAGTCCCTTCTGACAGATCTGCCACTGAAGTAGACAAC  
 AATTTACAGAAACCACCTCCATTTTCCCTCCAGGGCTCCTCTACTCACCTTCTCTCTCCATTTCC  
 TCCCACCTCCAAGTGTGACACCGCCACCTCTCATTCCACCACCAGGTTTCCCCTCCACCAGG  
 CGCCCCACCTCCATCTTATACCAACAATAGAAAAGTGGCCATTCTCCGGGTATGACAGCCGTTCTGCA  
 CGAGCGTTTCCCTATGGCAATGTCGCTTTCCCCACCTTACCAGTTCTGCTCCCTCATGGCCGAGCCTTG  
 TGGACACCACCAAGCAGTGGGACTATTATGCAAGGAGAGAAAAAGACCGAGACCGAGACCGGGAGAGAGA  
 CCGAGACAGAGCGAGAGCGGGACCGGACAGAGAAAAGGGAGCGCACCCGGGAGCGGGAGCGAGAGCGC  
 GACCACAGCCCCACCCAAGTGTTTTCAACAGTGTGTTGGGTGTGCGGGGCT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG208168 representing BC003263  
 Red=Cloning site Green=Tags(s)

MSAGEVERLVELSGGTGGDEEEEWLYGGPVDVHVHSDLAKDLDENEVERPEEENASANPPSGIEEEAAEN  
 GVAKPKVTETEDDSDSDSDDDEDDVHVTIGDIKTGAPQYGSYGTAPVNLNIKAGGRVYVYNTGTVKVGVDL  
 DAPGSINGVPLLEVDLDSFEDKPWRKPGADLSDYFNYGFNEDTWKAYCEKQKRIRMGLEVIPVTSTTNKI  
 TAEDCTMEVTPGAEIQDGRFNLFKVQQRGTGNSEKEAALPSTKAEFTSPPSLFKTGLPPSRNSTSSQSQT  
 STASRKASSSVGKWQDRYGRAESPDRLRRLPGAIDVIGQTIITISRVEGRRRANENSNIQVLSDRSATEVDN  
 NFSKPPFFPPGAPPHLPPPPFLPPPPTVSTAPPLIPPPGPPPPGAPPPSLIPTIESGSSGYDSRSA  
 RAFPYGNVAFPHLTSSAPSWPSLVDTTKQWDYYARREKDRDRDRERDRERDRERDRERERERERERER  
 DHSPTPSVFNRFVGCAGP

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Kozac Consensus**

*EcoR I*    *BamH I* *Kpn I*    **RBS**    *Sgf I*    *Asc I*

CTATAGGGGGCGCGGGAATTCTGCGACTGGATCCGGTACCAGAGATCTGCCGCCGATCGCCGGCGCGCCAGATCT

*Hind III*    *Nhe I* *Rsr II*    *Mlu I*    *Not I*    *Xho I*    **GFP Tag**

CAAGCTTAAGTACTAGCTAGCGGACCG    ACG CGT    ACG CGG    CCG CTC GAG    ATG GAG AGC GAC --- --

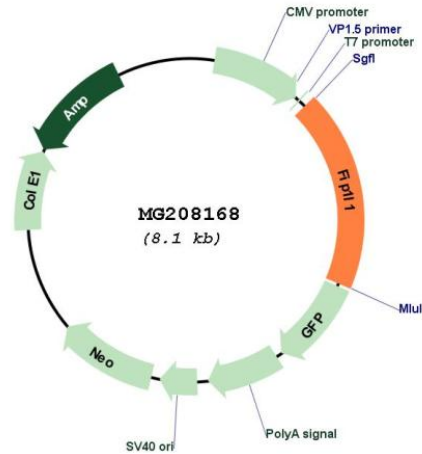
T   R   T   R   P   L   E   M   E   S   D   -   -   -

*Pme I*    *Fse I*

--- GAA GAA AGA GTT TAA ACGCGCGCGCGGAGCT

- - - E E R V Stop

## Plasmid Map:



ACCN: BC003263

ORF Size: 1526 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:** [BC003263](#), [AAH03263](#)

**RefSeq Size:** 2109 bp

**RefSeq ORF:** 1526 bp

**Locus ID:** 66899

**Cytogenetics:** 5 C3.3

**Gene Summary:** Component of the cleavage and polyadenylation specificity factor (CPSF) complex that plays a key role in pre-mRNA 3'-end formation, recognizing the AAUAAA signal sequence and interacting with poly(A) polymerase and other factors to bring about cleavage and poly(A) addition. FIP1L1 contributes to poly(A) site recognition and stimulates poly(A) addition. Binds to U-rich RNA sequence elements surrounding the poly(A) site. May act to tether poly(A) polymerase to the CPSF complex (By similarity).[UniProtKB/Swiss-Prot Function]