

## Product datasheet for **MG206811**

### Fam46b (NM\_175307) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam46b (NM\_175307) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Fam46b  
**Synonyms:** 4732473B16Rik; AU045678; AU046069  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG206811 representing NM\_175307  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCCGTCGGAGAGTGGAGCTGAGAGCCTGGAGCAGCCAGCTGCGCAGGTGGGGACCGGTGCAGCCT  
CGGCAGTGGCCACGGCTGGGGCGGCCGGCGGCCCGGACCCGGAGGCCCTCTCGGCCTCCCTGGGACG  
GCACCAGAGTCCGCTGAGCTGGCCACAGGTGAAGCGGCTGGACGCGCTGCTGAAAGAGCCGATCCCCATT  
CACGGACGAGGCAACTTCCCCACGCTGAGCGTGCAGCCCCAGCAGATCGTGCAGGTGGTCCGACGACGCT  
TGAAGAACACGGACTGCGTGTACACAGCGTGCCTGCATGGCTCAGCCGCCAGCCACGTGCTGCACCC  
CGAGAGCGGCCTAGGCTACAAGGACCTGGACTTGGTGTCCAGATGGACCTGCGGAGTGAGGTGTCTTTC  
CAGCTCACCAAGGCAGTGGTCTGGCTTGCCTGCTGGACTTCTGCCAGCGGGAGTGAGCCGGGCCAAGA  
TAACGCCGCTGACACTCAAGGAAGCCTACGTGCAGAAGCTGGTCAAAGTGTGCACCGACCTGGACCGCTG  
GAGCCTCATCTCTGTCCAACAAGAGCGGTAAGAAGCTGGAAGTCAAGTTCGTGGACTCTGTGAGACGC  
CAGTTCGAATTCAGCATCGACTCCTTCCAAATCATCTTGGACTCGCTGCTCTCTTTGGCCAGTGCAT  
CCACACCTATGTCGGAGGCCTTCCACCCTACGGTGACCGGGGAGAGCCTCTATGGGGACTTCGCTGAGGC  
CTTGGAGCACCTGCAGCACCGTGTATCGCCACACGCAGCCCCGAGGAGATCCGAGGTGGTGGCCCTCCTC  
AAGTACTGCCACCTCCTGGTACGGGGCTTCCGGCCAAGGCCAGCACTGACGTTCCGCGCCTCCAGCGAT  
ACATGTGTTCCCGTTTTCATCGACTTCCGGACCTGGTGAACAGAGGCGCATTCTGGAGCGCTACCT  
GGAGGCCCACTTTGGCGAGCGGAAGCAGCCCGCCGGTATGCTTGCCTTGTGACACTGCACCAGGTGGTC  
AACGAGAGCACAGTGTGTCTCATGAGCCACGAGCGCCGCCAGACCCTGGACCTTATTGCCATGCTCGCCC  
TCCAGGCACTGGCTGAACAGGGCCCTGCTGCCATGGCTGCCCTGGCTGGCGACGTCCTGGTTTCAGATGG  
GGTGGTCCAGCCACTGTTAATTACTATGTGACCCCCATGCAGCCACTGCTGCCCGAGCTCACTCTAT  
CCTACCTGGTGCCTTGAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206811 representing NM\_175307  
 Red=Cloning site Green=Tags(s)

MMPSESGAESLEQPAAQVGTGAASAVATAGAAGGGPDPEASSASLGRHQSRLSWPQVKRLDALLKEPIPI  
 HGRGNFPTLSVQPQQIVQVVRSSLEEHGLRVHSVRLHGSAAASHVLHPESGLGYKDLDFVQMDLRSEVSF  
 QLTAKAVLACLDFLPAGVSRAKITPLTLKEAYVQKLKVKCTDLDRWSLISLSNKSNGKVELKFVDSVRR  
 QFEFSIDSFQIILDSLLLFQCSSTPMSEAFHPTVTGESLYGDFAEALEHLQHRVIATRSPEEIRGGGLL  
 KYCHLLVRGFRPRPSTDVRALQRYMCSRFFIDFPDLVEQRRILERYLEAHFGGAEAAARYACLVTLHQVV  
 NESTVCLMSHERRQTLDLIAMLALQALAEQGAAMAALAWRRPGSDGVVPATVNYVYVTPMQPLLPRASYS  
 PTWLPCN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175307

**ORF Size:** 1281 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:** [NM\\_175307.6](#), [NP\\_780516.1](#)

**RefSeq Size:** 2288 bp

**RefSeq ORF:** 1284 bp

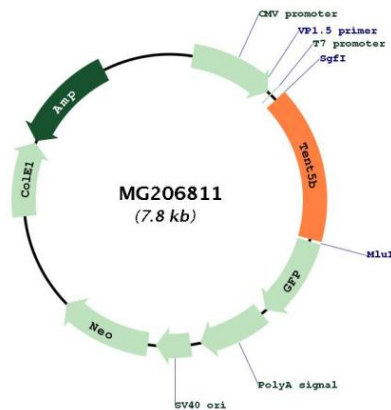
**Locus ID:** 100342

**UniProt ID:** [Q8C152](#)

**Cytogenetics:** 4 D2.3

**Gene Summary:** Probable nucleotidyltransferase that may act as a non-canonical poly(A) RNA polymerase. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG206811