

## Product datasheet for **MR206811**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam46b (NM_175307) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam46b
Synonyms:	4732473B16Rik; AU045678; AU046069
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR206811 representing NM\_175307  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCCGTCGGAGAGTGGAGCTGAGAGCCTGGAGCAGCCAGCTGCGCAGGTGGGGACCGGTGCAGCCT  
 CGGCAGTGGCCACGGCTGGGGCGGCCGGCGGCCCGGACCCGAGGCCCTCTCGGCCTCCCTGGGACG  
 GCACCAGAGTCGGCTGAGCTGGCCACAGGTGAAGCGGCTGGACGCGCTGCTGAAAGAGCCGATCCCCATT  
 CACGGACGAGGCAACTTCCCACGCTGAGCGTGCAGCCCCAGCAGATCGTGCAGGTGGTCCGACGACGCT  
 TGGAAACACGGACTGCGTGTACACAGCGTGCCTGCATGGCTCAGCCGCCAGCCACGTGCTGCACCC  
 CGAGAGCGGCCTAGGCTACAAGGACCTGGACTTGGTGTCCAGATGGACCTGCGGAGTGAGGTGTCCTTC  
 CAGCTACCAAGGCAGTGGTCTGGCTTGCCTGCTGGACTTCTGCCAGCGGGAGTGAGCCGGGCAAGA  
 TAACGCCGCTGACTCAAGGAAGCCTACGTGCAGAAGCTGGTCAAAGTGTGCACCGACCTGGACCGCTG  
 GAGCCTCATCTCTGTCCAACAAGAGCGGTAAGAAGCTGGAAGTCAAGTTCGTGGACTCTGTGAGACGC  
 CAGTTCGAATTCAGCATCGACTCCTTCCAAATCATCTTGGACTCGCTGCTCCTCTTTGGCCAGTGCAT  
 CCACACCTATGTCGGAGGCCCTCCACCCTACGGTGACCGGGGAGAGCCTCTATGGGGACTTCGCTGAGGC  
 CTTGGAGCACCTGCAGCACCGTGTATCGCCACACGCAGCCCCGAGGAGATCCGAGGTGGTGGCCTCCTC  
 AAGTACTGCCACCTCTGGTACGGGGCTTCCGGCCAAGGCCAGCACTGACGTTCCGCGCCCTCCAGCGAT  
 ACATGTGTTCCCGTTTCTTATCGACTTTCGGACCTGGTGAACAGAGGCGCATTCTGGAGCGCTACCT  
 GGAGGCCCACTTTGGCGGAGCGGAAGCAGCCCGCCGGTATGCTTGCTTGTGACTGCACAGGTGGT  
 AACGAGACACAGTGTGTCTCATGAGCCAGGCGCCGCCAGACCCTGGACCTTATTGCCATGCTCGCCC  
 TCCAGGCACTGGCTGAACAGGGCCCTGCTGCCATGGCTGCCCTGGCCTGGCGACGCTCTGGTTAGATGG  
 GGTGGTCCAGCCACTGTTAATTACTATGTGACCCCATGCAGCCACTGCTGCCCGAGCTCACTCCTAT  
 CCTACCTGGCTGCCTGCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206811 representing NM\_175307  
 Red=Cloning site Green=Tags(s)

MMPSESGAESLEQPAAQVGTGAASAVATAGAAGGGPDPEASSASLGRHQSRLSWPQVKRLDALLKEPIPI  
 HGRGNFPTLSVQPQIVQVVRSSLEEHGLRVHSVRLHGSAAASHVLHPESGLGYKDLDFVQMDLRSEVSF  
 QLTKAVVLAFLDFLPAGVSRKITPLTLKEAYVQKLVKVTDLDRWSLISLSNKSNGKVELKFVDSVRR  
 QFEFSIDSFQIILDLSLLFGQCSSTPMSEAFHPTVTGESLYGDFAEALEHLQHRVIATRSPEEIRGGLL  
 KYCHLLVRGFRPRPSTDVRLQRYMCSRFFIDFPDLVEQRRILERYLEAHFGGAEARRYAACLVTLHQVV  
 NESTVCLMSHERRQTLDLIAMLALQALAEQGAAMAALAWRRPGSDGVVPATVNYVYVTPMQPLLPRASHY  
 PTWLPCN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9080\\_c07.zip](https://cdn.origene.com/chromatograms/mm9080_c07.zip)

**Restriction Sites:**

Sgfl-Mlul

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

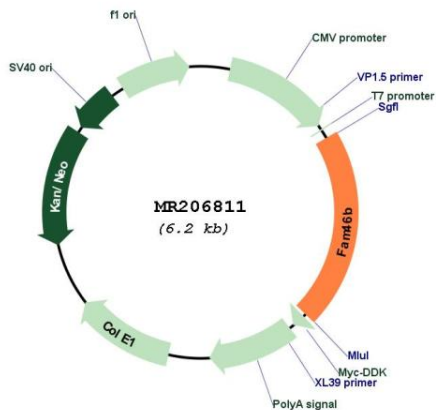
UniProt ID: [Q8C152](#)

Cytogenetics: 4 D2.3

**MW:** 47 kDa

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

**Product images:**



Circular map for MR206811