

## Product datasheet for **MC211547**

### Fam46c (NM\_001142952) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam46c (NM\_001142952) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fam46c  
**Synonyms:** 4930431B09Rik; AI449797  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211547 representing NM\_001142952  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGAGGAGGGCAGCAGTACCAAGGACTCTGAGTCCTTCAGCGTGCTCAACTGGGATCAGGTTAGCC  
 GGCTGCACGAGGTCCTGACTGAGGTCGTGCCCATCCACGGGCGAGGCAACTTTCCAACCTTGAGATAAC  
 CCTGAAGGACATTGTCCAGACTGTCCGAGGCCGGCTGGAGGAGGCAGGCATCAACGTGCAGGACGTCGG  
 CTGAACGGCTCTGCAGCCGGCCACGTTTTGGTCAAAGACAACGGCTTGGGTTGCAAAGATCTGGATCTGA  
 TCTTTCACGTGGCTCTCCCCACAGAGGGGAATTTTCAGCTGGTGAGAGATGTGGTTCTGTGCTCCCTTCT  
 GAACCTTCTGCCAGAGGGCGTGAATAAGCTCAAAATCAGCCCCGTACCCTGAAGGAGGCGTACGTGCAG  
 AAGCTGGTGAAGGTTTGCACAGACACAGACCGCTGGAGCCTGATTTCCCTCTCCAACAAGAACGGGAGGA  
 ACGTGGAGCTCAAGTTTGTGACTCCATCCGGCGGCGAGTTGAGTTCAGCGTGGACTCTTCCAGATCAT  
 CCTAGATTCTTTGCTCTTTTCTATGACTGCTCCGGCAATCCCATCTCCGAGCATTTCCACCCACAGTG  
 ATCGGGGAGAGTATGTACGGGGATTTGAGGAAGCCTTTGACCATCTTCAGAACAGGCTGATCGCCACCA  
 AGAACCTGAAGAAATCCGAGGTGGGGTCTCCTTAAGTACAGCAACCTCCTTGTGCGGGACTTCAGGCC  
 TGCCGACCAGGAGAGATCAAGACCCTGGAGCGTTACATGTGCTCCAGATTTTTCATCGACTTCCCGGAC  
 ATCCTGGAACAGCAGAGGAAGCTGGAGACCTACCTTCAGAACCACTTCTCGGACGAGGAGAGAAGCAAGT  
 ACGACTACCTCATGATTCTCCGACGGTTGTGAACGAGAGCACCGTGTGCCTCATGGGGCACGAACGCGAG  
 GCAGACCTGAACCTCATCTCTCTCCTGGCCTTGGTGTGCTGGCAGAACAAAACATCATCCCCAGTGCC  
 ACCAACGTCACTGTTACTACCAGCCAGCTCCTTACGTCACTGATGGCAACTTCAACAACATTACATTG  
 CGCACCTCAATTACCTACAGCCAGCCTTATCCTACATGGCTGCCCTGTAAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_001142952  |
| <b>Insert Size:</b>           | 1176 bp   |
| <b>OTI Disclaimer:</b>        | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  |
| <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>                | <u><a href="#">NM_001142952.1</a></u> , <u><a href="#">NP_001136424.1</a></u>   |
| <b>RefSeq Size:</b>           | 2054 bp   |
| <b>RefSeq ORF:</b>            | 1176 bp   |
| <b>Locus ID:</b>              | 74645   |
| <b>UniProt ID:</b>            | <u><a href="#">Q5SSF7</a></u>   |
| <b>Cytogenetics:</b>          | 3 F2.2  |
| <b>Gene Summary:</b>          | Nucleotidyltransferase that act as a non-canonical poly(A) RNA polymerase which enhances mRNA stability and gene expression. Mainly targets mRNAs encoding endoplasmic reticulum-targeted protein and may be involved in induction of cell death.[UniProtKB/Swiss-Prot Function]  |