

Product datasheet for **RR211294**

Fam46b (NM_001107907) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fam46b (NM_001107907) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fam46b
 Synonyms: RGD1308967
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR211294 representing NM_001107907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGATGCCGTGGAGAGTGGAGATGAGAGCCTGGAGCAGCCAGCTGCGCAGGTGGGGACCGGTGCAGCCT
 CGGCAGTGGCCACGGCTGGGGCGCCGGCGCCCGGACCTGGAGGCCTCCTCGGCCTCTCTGGGACG
 GCACCAGAGCCGACTGAGCTGGCCACAGGTGAAGCGGCTGGACGCGCTGCTCAAAGAGCCATCCCCATT
 CACGGGGCAGGCAACTCCCCACGCTGAGCGTGCAACCCAGCAGATTGTACAGGTAGTTCGCAGTAGT
 TGGAAAGACAGGGACTGCATGTCCATAGCGTGCCTTGCACGGCTCAGCTGCGAGCCACGTGCTGCACCC
 GGAGAGTGGCCTAGGCTACAAGGACCTGGACCTGGTGTCCAGATGGACCTGCAGAGTGAGGCATCCTTC
 CAGCTGACCAAGGCTGTGGTCTGGCTTGCCTGCTGGACTTCTGCCTGCGGGAGTGAGCCGGCCAAGA
 TAACGCCGCTGACACTCAAGGAGCCTATGTGCAGAACTGGTAAAAGTGTGCACAGACCTGGACCGCTG
 GAGCCTCATCTCACTGTCCAACAAGAGCGGCAAGAATGTGAACTCAAGTTCGTGGACTCCGTGAGGCGC
 CAGTTCGAATTCAGCATCGACTCCTTTCAGATCATCCTGGACTCGCTCCTCTTTGGCCAGTGCTCAT
 CCACACCAATGTCGGAGGCTTCCACCCTACGGTGACTGGTGGAGCCTGTATGGGGAGGC
 CTTGGAGCACCTGCAGCACCGCGTCATTGCCACACGCAGCCCGAGGAGATCCGAGGTGGCGCCCTCCTC
 AAATACTGCCACCTCCTGGTACGGGTTTCCGGCCAAGGCCAGCACTGATGTTCCGCGCCCTACAGAGAT
 ATATGTGTTCCCGTTTCTTCATCGACTTCCAGACCCGGTGAACAGAGGCGCATTCTGGAGCGCTACCT
 GGAGGCCCACTTCGGCGGAGCAGAAGCAGCCCGCCGGTATGCTTGCCTTGTGACACTGCACCGGGTGGTC
 AACGAGAGCACAGTGTGCTCATGAGCCACGAGCGCCGCCAGACCCTGGACCTTATTACCATGCTAGCCC
 TCCAGGCACTAGCGGAGCAGGGCCCTGCTGCCATGGCTGCCCTGGCTGGCGACGCTCCTGGCTCAGATGG
 GGTGTACCAGCCACCGTTAATTACTATGTGACCCCCATGCAGCCTCTGCTGCCCGCGCTCACTCCTAT
 CCTACCTGGCTGCCTTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR211294 representing NM_001107907
 Red=Cloning site Green=Tags(s)

MMPSESGDESLEQPAAQVGTGAASAVATAGAAGGGPDLEASSASLGRHQSRLSWPQVKRLDALLKEPIPI
 HGRGNFPTLSVQPQQIVQVVRSSLEEQGLHVHVSRLHGSAAASHVLHPESGLGYKDLDFVQMDLQSEASF
 QLTKAVLACLDFLPAGVSRKAITPLTLKEAYVQKLKVCTDLDRWLSLSLKNKSGKNVELKFVDSVRR
 QFEFSIDSFQIILDSLLLFQCSSTPMSEAFHPTVTGESLYGDFAEALEHLQHRVIATRSPEEIRGGGLL
 KYCHLLVRGFRPRPSTDVRALQRYMCSRFFIDFPDVEQRRILERYLEAHFGGAEAAARYACLVTLHRV
 NESTVCLMSHERRQTLDLITMLALQALAEQGAAMAALAWRRPGSDGVVPATVNYVYVTPMQPLLPRASYS
 PTWLPCN

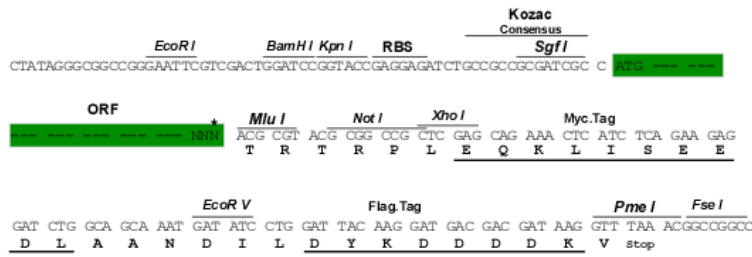
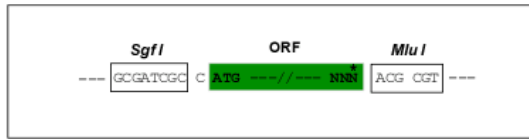
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

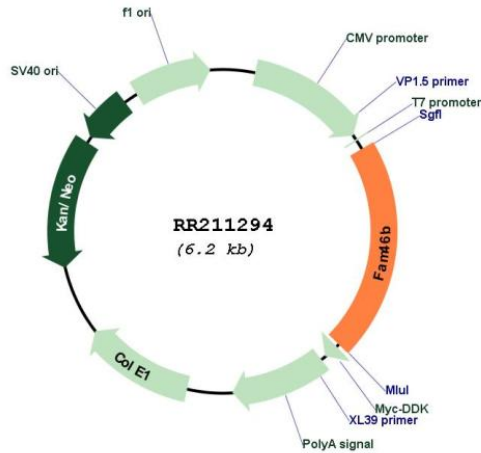
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001107907

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:	<ol style="list-style-type: none">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_001107907.2 , NP_001101377.1
RefSeq Size:	1724 bp
RefSeq ORF:	1284 bp
Locus ID:	313019
UniProt ID:	B0BNK8
Cytogenetics:	5q36
MW:	47 kDa
Gene Summary:	Probable nucleotidyltransferase that may act as a non-canonical poly(A) RNA polymerase. [UniProtKB/Swiss-Prot Function]