

## Product datasheet for **RR205624**

### **Fam46a (NM\_001106844) Rat Tagged ORF Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Fam46a (NM_001106844) Rat Tagged ORF Clone |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | Fam46a                                     |
| Synonyms:                 | RGD1311381                                 |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**ORF Nucleotide Sequence:**

>RR205624 representing NM\_001106844  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGCATCAGAGATACTTTTGGACTGACCAAGGCCAAGTGCGGTTTCGGCGGCACTACATGGCTGAGAGCG  
 AAGGGTACTTTGCCATGGCAGAGGACGAGCTGACCGCGGCCCTACATCCCTCTGGGTGGTGACTTCGG  
 CGCGGTTGGCAGCTTCGGCGACCGCTGCTCGGACTATTGCGAAAGCCCCACGGCGCACTGCAACGTGCTG  
 AACTGGGAGCAAGTGACGCGTTGGACGGCATTGTGAGCGAGACCATCCCGATCCACGGTCGCGGCAACT  
 TCCCCACGCTCGAGCTGCAGCCGAGCCTGATTGTGAAGTGGTGGGAGGCGCCTGGAGGAGAAGAGCAT  
 AGGTGTCCGCGAGCTGCGCCTCAACGGCTCGGCCGCCAGTCACGTCTGCACCAAGACAGCGGCCTGGGC  
 TACAAGGATCTGGACCTCATCTTCTGCGCCGACCTGCGTGGGGAAGAAGATTTAGACTGTGAAGGACG  
 TCGTGCTGGATTGCTGTAGACTTCTTGCCCGAAGGGTGAACAAGGAGAAGATCACGCCGCTCACTCT  
 CAAGGAAGCGTATGTGCAGAAAATGGTTAAAGTGTGCAATGATTCTGACCGGTGGAGCCTTATATCCCTG  
 TCAAACAACAGCGGCAAAAATGTGGAGCTGAAGTTTGTGGATTCCCTCCGGAGGCAGTTTGAATTCAGTG  
 TAGATTCTTTCAAATCAAATTAGACTCTCTTCTCCTCTTTACGAGTGTTCAGAGAACCAATGACCGA  
 GACATTTACCCACCATAATCGCGAGAGTGTCTACGGTGATTTCCACGAAGCCTTCGATCACCTTTGC  
 AACAAGATCATTGCCACCAGAAACCCGAGGAAATAAGAGGAGGAGGCCTGCTTAAGTACTGCAACCTCT  
 TAGTGCGGGGCTTCAGGCCTGCCTCTGAGGAGATCAAGACCTTCAGAGGTACATGTGTTCCAGGTTCTT  
 TATTGACTTCTCAGACATCGGAGAGCAGAGAGAAAGCTGGAATCCTACTTGCAGAACCCTTCGTGGGC  
 TTGGAAGACCGCAAGTATGACTATCTCATGACCTCCACGGAGTGGTAAACGAGAGTACGGTGTGCTGA  
 TGGGACATGAGAGAAGGCAGACTTTAAACCTTATCACCATGCTGGCAATCCGGGTGCTAGCTGACCAAAA  
 TGTCAATTCCTAATGTGGCTAATGTCACTTGCTATTACCAGCCGGCCCCCTATGTCGCAGATGCTAACTTT  
 AGCAATTACTACATCGCACAGGTTAGCCAGTATTCACATGCCAGCAGCAGACGTATTCTACTTGTTAC  
 CTGCAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205624 representing NM\_001106844  
 Red=Cloning site Green=Tags(s)

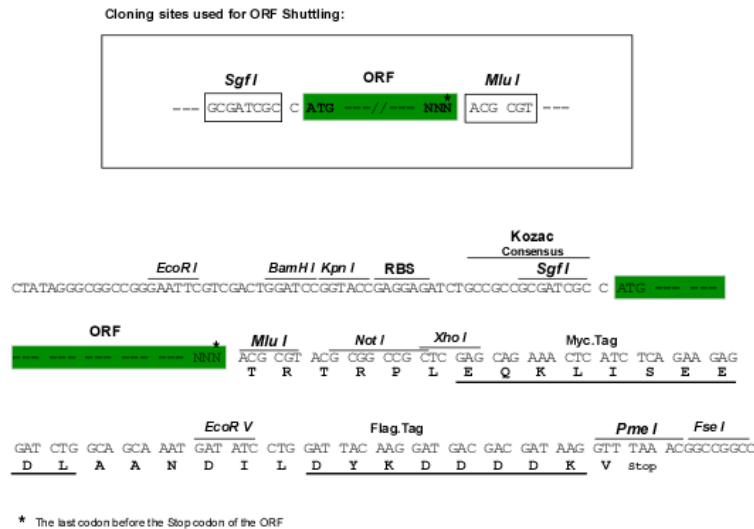
MHQRYFWDQGGQVAFGGHYMAESEGYFAMAEDEL TGGPYIPLGGDFGGGGSFGDRCSYCESPTAHCNVL  
 NWEQVQRDLGILSETIPIHGRGNFPTLELQPSLIVKVRRRLLEEKSIGVRDVRLNGSAASHVLHQDSGLG  
 YKDLDLIFCADLRGEEEFQTVKDVVLDCLLDLPEGVNKEKITPLTLKEYVQKMKVVCNDSRWSLISL  
 SNNSGKNVELKFVDSLRRQFEFSVDSFQIKLDSLLLFYECSNPMTETFHPTIIGESVYGFHEAFDHL  
 NKIIATRNPEEIRGGGLLKYNLLVRGFRPASEEIKTLQRYMCSRFFIDFSDIGEQQRKLESYLQNHVFG  
 LEDRKDYDLMTHGVVNESTVCLMGHERRQTLNLTMLAIRVLADQNIPNVANVTCYYQPAPYVADANF  
 SNYYIAQVQPVFTCQQQTYSTWLPCN

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:



ACCN: NM\_001106844

ORF Size: 1338 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\\_001106844.1](#), [NP\\_001100314.1](#)

RefSeq Size: 2474 bp

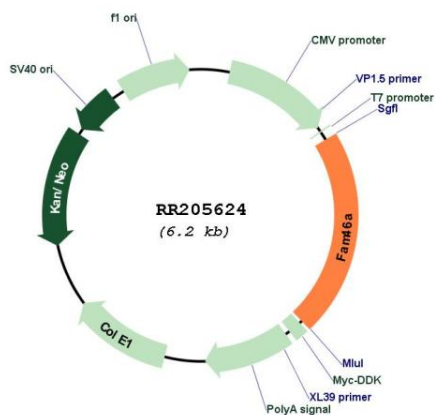
RefSeq ORF: 1341 bp

Locus ID: 300870

Cytogenetics: 8q31

MW: 50.8 kDa

## Product images:



Circular map for RR205624