

## Product datasheet for **MR219683**

### Fam46a (NM\_001160378) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam46a (NM_001160378) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam46a
Synonyms:	BAP014; D930050G01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR219683 representing NM\_001160378  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCATCAGAGATACTTTTGGACTGACCAAGGCCAAGTGGCTTTCGGAGGCACTACATGGCCGAGGGCG  
 AAGGGTACTTTGCCATGGCAGAGGACGAGCTGACCGGCGGCCCTTACATCCCCCTGGGTGGTACTTCGG  
 CGGCGCGGCAGCAGCTTCGGCGACCGCTGCTCGGACTATTGCGAAAGCCCCACGGCGCACTGCAATGTG  
 CTGAACTGGGAGCAAGTGCAGCGGTTGGACGGCATTCTGAGCGAGACCATCCCGATCCACGGGCGCGGCA  
 ACTTCCCCACGCTCGAGCTGCAGCCAAGCCTGATTGTGAAGTGGTGAAGAGGCGCTGGAAGAGAAGGG  
 CATAGGTGTCCGCGACGTGCGCCTCAACGGCTCAGCCGCCAGTCACGTCCTGCACCAGGACAGTGGCCTA  
 GGCTACAAGGACCTGGACCTCATCTTCTGCGCTGACCTGCGTGGGAAGAGGAGTTTCAGACTGTGAAGG  
 ACGTCGTTCTGGATTGCCTGTTAGACTTCTTGCCGAAGGGGTGAACAAGGAGAAGATCACACCGCTCAC  
 TCTCAAGGAGGCTTATGTGCAGAAAATGGTTAAAGTGTGCAATGATTCTGACCGGTGGAGCCTTATATCC  
 CTGTCAAACAACAGTGGCAAAAATGTGGAGCTGAAGTTTGTGGATTCCCTGCGGAGGCGAGTTTGAATTCA  
 GTGTAGATTCTTTTCAAATCAAATTAGACTCTCTTCTCCTCTTTTACGAGTGTTACAGAGAACCCGATGAC  
 TGAGACATTTACCCACCATCATCGGTGAGAGTGTCTATGGTGAATTTCCACGAAGCCTTTGATCACCTT  
 TGCAACAAGATCATTGCCACCAGGAACCCAGAGGAAATAAGAGGGGGAGGCGCTGCTTAAGTACTGCAATC  
 TCTTAGTGCGGGGCTTACGGCCTGCCTCCGAGGAGATCAAGACCCCTCCAGAGGTACATGTGTTCCCGGTT  
 TTTTATTGACTTCTCAGACATCGGAGAGCAGCAGAGAAAGCTGGAGTCTACTTGAGAACCCTTCTGTCG  
 GGCTTGAAGACCGCAAGTATGACTATCTCATGACCCCTCATGGAGTGGTAAACGAGAGTACGGTGTGCC  
 TGATGGGACATGAAAGGAGGCGAGACTTTAAACCTTATCACCATGCTGGCAATCCGGGTGCTAGCTGACCA  
 AAATGTCAATCCTAATGTGGCTAATGTCACTTGCTATTACCAGCCGCCCCCTATGTTGCAGATGCTAAC  
 TTTAGCAATTACTACATTGCACAAGTTCAGCCCGTGTTCACATGCCAGCAGCAGACATACTACTTGGT  
 TACCCTGCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219683 representing NM\_001160378  
 Red=Cloning site Green=Tags(s)

MHQRYFWDQGVAFGGHYMAEGEGYFAMADEL TGGPYIPLGGDFGGGSSFGDRCSDYCESPTAHCNV  
 LNWEQVQLDGLSETIPIHGRGNFPTLELQPSLIVKVVRRRLEEKIGVDRVRLNGSAASHVLHQDGL  
 GYKDLDLIFCADLRGEEEFQTVKDVVLDCLLDFLPEGVNKEKITPLTLKEAYVQKMVKVCNDSRWSLIS  
 LSNNSGKNVELKFDVSLRRQFEFSVDSFQIKLDSLLL FYECSNPMTETFHPTIIGESVYGFHEAFDHL  
 CNKIIATRNPPEEIRGGGLLKVCNLLVRFGRPASEEIKTLQRYMCSRFFIDFSDIGEQRKLESYLQNHFV  
 GLEDRKYDYLMTLHGVVNESTVCLMGHERRQTLNLI TMLAIRVLADQNVIPNVANVTCTYYQPAPYVADAN  
 FSNYYIAQVQPVFTCQQQTYSTWLPEN

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9045\\_e01.zip](https://cdn.origene.com/chromatograms/mm9045_e01.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001160378

ORF Size: 1341 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

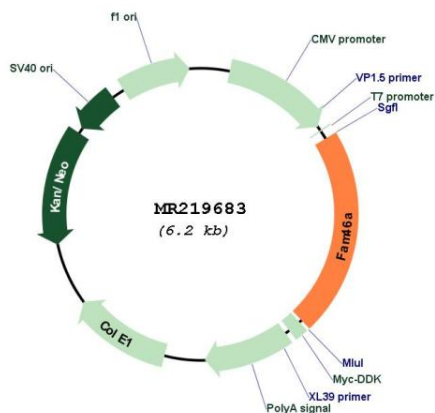
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\_001160378.1, NP\_001153850.1  
 RefSeq Size: 5479 bp  
 RefSeq ORF: 1344 bp  
 Locus ID: 212943  
 Cytogenetics: 9 E3.1  
 MW: 51.2 kDa

**Product images:**



Circular map for MR219683