

## Product datasheet for **MR204614**

### Fam166a (NM\_026624) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam166a (NM_026624) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam166a
Synonyms:	4931415M17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204614 representing NM_026624 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACAGCTACACAGAAACACAACCTCTTCACTCCAGAACCCCACTACATCCCTGGTTATGCTGGTTTCT  
ATCCTCAACTGCGCTACCAGGTGGGAAACACCTATGGCCGCACCACTGCACAGTTGCTCACAGATCCCAG  
CGTACAGAAGAGCCCCTGCTCTGTTCTGTACCTATGACCAAGCCCAAGTTCATTGAGGACTTCAGCAA  
TCCAAGCCACCATGGATCCCTGCAGGGACCTGAGAGAGCCTTACATCCCCCACTATAACAGTCTGAAAC  
CCTACAAGAATTTGAGATCCTAGGCCAGCTCCCACGCCAGGATGTGGACACCCAGGGGCCGCCACAAGT  
AGAGAACAGACAGGGACCACTGACTGCAGGCTTCATGCCTTATCCACCCTACCCGGCATGCCCCAGGC  
AGAAAGGGGGAAGCTAGAGACCTGGGCCATCCAGGTCTACTGCTGGCATATGGGGAAGAGGCTTGAAGG  
ATGCAGCACCTCTCAGGATACCCAGGGAAGAACAACCAGCTATAACCACTGCAGGAGGGATGAGTACCT  
GCCTCCACACCCCCACAGGAGACACTAGATGTAGGCAGATTC AACGACTGCCCCAGCTAGACCACCC  
AACCTAATCCAACGCAAGGCCATCTCAGGTTATGCCGGCTTCGTCCCGGTTTGCCTGGGTAATGGGGA  
TGAATTACCGTGATGGTGTACACAAGCTATGGATGACTTTGACAAGAACCAGTTCGTGTTTCAGACACCC  
AGTCTGTGCCCTGGGTGAAAGGCTGCCTAGGACCACTGGCCAAACACCACCATATAGAAGCCAAGGC  
CTGATTCCTTTCTACATGGGCTTTATCCCATCCATGCAGGACAACCTATGCACTGACATTCGGTAACAGCA  
CCGAAGAGCCTATCAGAAGGAATTGGACAGGCCAAGCCACACACTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204614 representing NM\_026624  
 Red=Cloning site Green=Tags(s)

MTATQKHNLFTPEPHYIPGYAGFYPLRYQVGNTRYGRTTAQLLTDPSVQKSPCSVLSPMTKPKFIEDFSK  
 SKPPWIPCRDLREPIPHYTSCLKPYKNFEILGQLPRQDVTQGGPPQVENRQGPLTAGFMPYPPYPACPPG  
 RKGEARDLGHPLLLAYGEEAWKDAAPLQDTPGKNNQLYHCCRDEYLPHPPPQETLDVGRFQRLPQLDHP  
 NLIQRKAISGYAGFVPRFAWVMGMNYRDGVTQAMDDFDKNQFVFRHPVCALGERLPRTHWPNTTIYRSQG  
 LIPFYMGFIPSMQDNYALTFGNSTRRAYQKELDRRSHTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9060\\_a08.zip](https://cdn.origene.com/chromatograms/mm9060_a08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_026624

**ORF Size:** 957 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\\_026624.3](#), [NP\\_080900.1](#)

**RefSeq Size:** 1130 bp

**RefSeq ORF:** 960 bp

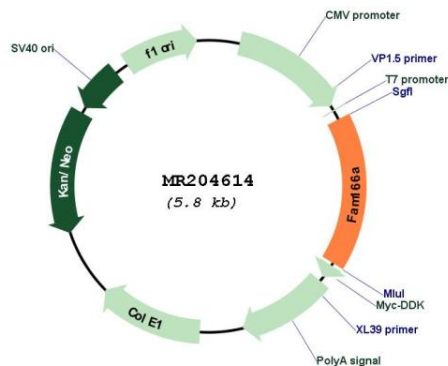
**Locus ID:** 68222

**UniProt ID:** [Q9D4K5](#)

**Cytogenetics:** 2 A3

**MW:** 36.6 kDa

### Product images:



Circular map for MR204614