

## Product datasheet for **RR209360**

### Olfm4 (NM\_001106052) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Olfm4 (NM_001106052) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfm4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR209360 representing NM\_001106052  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGTTACAGCCGTCTTCTCCTCTGTCCCTTCTGTTCTGCCTTGGCTCTGCCTCTGGGAGTTCGAGAG  
 CTCTGAGCTCTACACATTCCCTGGAATTGACCACTCCAACATTACCTGAGACTACATTACCGGAGACTAC  
 GACTGCCTGGCTGCCTTCGGGAGGCACGTCGTGGACAGAAGGTGGTACTCTGTCTCAGTCACTTTCCAAT  
 TTCCTGGGTCTGTGGACAGCCATGGGACCTGCCAGTGTCTGTTTCCCTGCCGGACACCACTTTTCCTG  
 CTGACAGAGTGGAGCGCTTGGAGTTCACAGCTCACACCTTTCTCAGAAATTTGAGAGAGAGTTTTCTAA  
 GGTGAAGGAGTATGTCCAGCTAATAAGTGTGTATGAGAAGAAGCTCCTGAACCTGACTGTCCGAGTAGAG  
 GTCATGGAGAAGGACAGCATTCTTATACAGAAGTGGACTTTGAGTTGATCAAGCTAGAAGTGAAGGAGA  
 TGCACAACTGGTCATACAGCTGAAGGAGAAGTGTGTTGGAAGTACAGATATTATTGACATGCTTGAAGT  
 GGAGATAAGGAATATGACTCTCCTGGTAGAGAAGCTGGAGACGCTAGACCAAAACAATGTCCTTAGCATT  
 CGCCGGCAGATCTTGGCTCTGAAGACCAAGCTGAAGGAATGTGAGGACTCTAAAAGTGGCCTTGTGCCTG  
 CCACACCCCTCCTCCTGCTCCTGGAAGCTGTAGCCATGGCGGTGTGGTGAACATCAGCGCTCCTTTTGT  
 GGTTCAGCTCAACTTTCAAGGGTTAATTATAAATATGGTGCCTGGGCGCGAGATTACTCTCCTCAGCAT  
 CCAGAGAGAACCCTGACTGGGTGGCACCTTTGAATACAGATGCCAGGGTCTAGAGTATTACAGACTTT  
 ATGACTCACTGGATAATCTGTTACTCTATTACATTCCAGACAGTATCGGATTCTCTATGGCCAAGGGGG  
 TGGTACAGTAGCATTCAACAACAGCCTGTATGTGAATTGGTACAATGGGAGAAACATTGCCAAAATTGAC  
 CTAACACCAATGGAGTCACTGTGAATCAGCCCCTCCCTCAGGCTGCCTACAATAACCGCTTTTCATATG  
 CTAATGTGAATTGGCAAGACATTGACCTTGCTGTGGACGAGCAAGCACTGTGGCAATTTATGCACTGA  
 GGCCAGCACTGGTAACATAGTGATTAGTAAGCTCAATGATACCCTCTTGAGGTGATAAGCACTTGGGTT  
 ACCAAGCAGTACAAGCCATCTGTTTCTAATGCCTTCATTGTATGTGGAGTCTTTACGCTACTCGCACTT  
 TGAACACCAGAACAGAAGAGATCTTTACTACTATGACACAAACACAGAGGGAAGGCAGTCTAGCCAT  
 CACAATGAGAAAGATGCAGGAAAGAATTCAGAGCATTAAATATCATCCCTATGACCACAACTTTATGTC  
 TACAATGATGGTTATCTTTGAAGTACGATCTTGTCTTCTACAGACACCTAAGCAACCTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209360 representing NM\_001106052  
 Red=Cloning site Green=Tags(s)

MCYSRLLLLLLFCLGSASGSSRALSSHSLELTTPTLPETTLPETTTAWLPSGGTSWTEGGTLSQSLSN  
 FTGSVDSHGTCQCSVSLPDTTFPADRVERLEFTAHTLSQKFEREFKVKVEYVQLISVYEKLLNLTVRVE  
 VMEKDSISYTELDFELIKLEVKEMHKLVIQLKENFVGSTDIIDMLEVEIRNMTLLVEKLETLDQNNVLSI  
 RRQILALKTKLKECEDSKSGLVPATPPPPAPGSCSHGGVVNISAPFVVQLNFQGFNYKYGAWRDYSQPQ  
 PERTLYWVAPLNTDARVLEYRLYDSLNDLLLYSHSRQYRILYQGQGGTVAFNNSLYVNWYNGRNI  
 AKIDLTTNGVTYNQPLPQAAAYNNRFSYANVNWQDIDLAVDEQALWAIYATEASTGNIVISKLNDDTLEVI  
 STWTKQYKPSVSNFIVCGVLYATRNLNTRTEEIFYDYDNTQREGSLAITMRKMQERIQSINYHPYDHKLYV  
 YNDGYLLNYDLVFLQTPKQPV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2636\\_c11.zip](https://cdn.origene.com/chromatograms/ja2636_c11.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001106052

**ORF Size:** 1533 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.

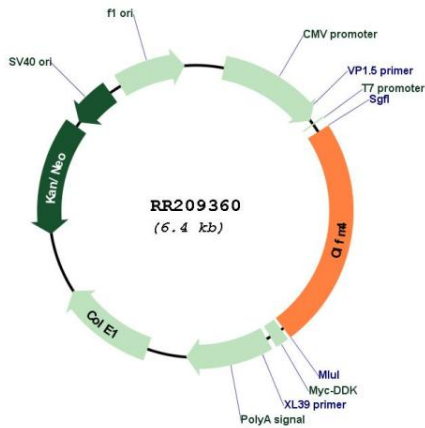
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_001106052.1](#), [NP\\_001099522.1](#)

RefSeq Size: 2731 bp  
 RefSeq ORF: 1536 bp  
 Locus ID: 290409  
 Cytogenetics: 15q12  
 MW: 58.3 kDa

**Product images:**



Circular map for RR209360