

## Product datasheet for **RN209360**

### **Olfm4 (NM\_001106052) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN209360 representing NM\_001106052  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTGTTACAGCCGTCTTCTCCTCTGTCCCTTCTGTTCTGCCTTGGCTCTGCCTCTGGAGTTCGAGAG  
 CTCTGAGCTCTACACATTCCTGGAATTGACCACTCCAACATTACCTGAGACTACATTACCGAGACTAC  
 GACTGCCTGGCTGCCTTCGGGAGGCACGTCGTGGACAGAAGGTGGTACTCTGTCTCAGTCACTTTCCAAT  
 TTTACTGGGTCTGTGGACAGCCATGGGACCTGCCAGTGTCTGTTTCCCTGCCGGACACCACTTTTCCTG  
 CTGACAGAGTGGAGCGCTTGGAGTTCACAGCTCACACCTTTCTCAGAAATTTGAGAGAGAGTTTTCTAA  
 GGTGAAGGAGTATGTCCAGCTAATAAGTGTGTATGAGAAGAAGCTCCTGAACCTGACTGTCCGAGTAGAG  
 GTCATGGAGAAGGACAGCATTCTTATACAGAAGTGGACTTTGAGTTGATCAAGCTAGAAGTGAAGGAGA  
 TGCACAACTGGTCATACAGCTGAAGGAGAAGTGTGGAAAGTACAGATATTATTGACATGCTTGAAGT  
 GGAGATAAGGAATATGACTCTCCTGGTAGAGAAGCTGGAGACGCTAGACCAAAACAATGTCCTTAGCATT  
 CGCCGGCAGATCTTGGCTCTGAAGACCAAGCTGAAGGAATGTGAGGACTCTAAAAGTGGCCTTGTGCCTG  
 CCACACCCCTCCTCCTGCTCCTGGAAGCTGTAGCCATGGCGGTGTGGTGAACATCAGCGCTCCTTTTGT  
 GGTTCAGCTCAACTTTCAAGGGTTAATTATAAATATGGTGCCTGGGGCCGAGATTAATCTCCTCAGCAT  
 CCAGAGAGAACCCTGACTGGGTGGCACCTTTGAATACAGATGCCAGGGTTCTAGAGTATTACAGACTTT  
 ATGACTCACTGGATAATCTGTTACTCTATTACATTCCAGACAGTATCGGATTCTCTATGGCCAAGGGGG  
 TGGTACAGTAGCATTCAACAACAGCCTGTATGTGAATTGGTACAATGGGAGAAACATTGCCAAAATTGAC  
 CTAACACCAATGGAGTCACTGTGAATCAGCCCCTCCCTCAGGCTGCCTACAATAACCGCTTTTCATATG  
 CTAATGTGAATTGGCAAGACATTGACCTTGTGTGGACGAGCAAGCACTGTGGCAATTTATGCAACTGA  
 GGCCAGCACTGGTAACATAGTGATTAGTAAGCTCAATGATACCCTCTTGAGGTGATAAGCACTTGGGTT  
 ACCAAGCAGTACAAGCCATCTGTTTCTAATGCCTTCATTGTATGTGGAGTCTTTACGCTACTCGCACTT  
 TGAACACCAGAACAGAAGAGATCTTTACTACTATGACACAAACACAGAGGGAAGGCAGTCTAGCCAT  
 CACAATGAGAAAGATGCAGGAAAGAATTCAGAGCATTAAATATCATCCCTATGACCACAACTTTATGTC  
 TACAATGATGTTATCTTTGAAGTACGATCTGTCTTCTACAGACACCTAAGCAACCTGCT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2534\\_c05.zip](https://cdn.origene.com/chromatograms/ja2534_c05.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001106052

**Insert Size:** 1536 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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001106052.1, NP_001099522.1</u>
<b>RefSeq Size:</b>	2731 bp
<b>RefSeq ORF:</b>	1536 bp
<b>Locus ID:</b>	290409
<b>Cytogenetics:</b>	15q12