

## Product datasheet for **MC204176**

### **Olfm1 (NM\_019498) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Olfm1 (NM_019498) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Olfm1
Synonyms:	AMY; AW742568; Noe1; OlfA; Pancortin; Pancortin3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC026547  
 CTGCCCGGGGCGCGGGAGCCGGCGCCGGCGCGGGCGCAGGAGGCCACTCGAGGCGCGATGTCGGT  
 GCCGCTGCTGAAGATCGGGGTCGTGCTAAGCACCATGGCCATGATCACCAACTGGATGTCCAGACGCTG  
 CCCTCGCTGGTGGGCCTCAATACCACCCGGCTTTCGGCCGCCAGCGGGGACGCTGGACCCGAGCACCG  
 GCGTGTGCCACCAACCCCGAGGAGAGCTGGCAGGTGTACAGCTCTGCCAGGACAGTGAGGGCAGGTG  
 TATCTGCACAGTGGTCGCCCCCAGCAGACCATGTGTTTCGCGGGATGCCCGCACAACACAGCTGAGGCAG  
 CTACTGGAGAAGGTGCAAAACATGTCTCAATCCATAGAAGTCTTGACAGGCGAACTCAGAGAGACCTGC  
 AGTACGTGGAGAAGATGGAGAACCAGATGAAAGGCCTGGAGACCAAGTTCAAGCAGGTGGAGGAGGCCA  
 TAAGCAGCATCTAGCCAGGCAGTTCAAGGCAATAAAAGCGAAAATGGATGAACTTAGGCCTTTGATTCTT  
 GTGTTGGAAGAGTACAAGGCCGATGCCAAATTGGTATTGACAGTTTAAGGAGGAGGTCCAGAATCTGACGT  
 CAGTGCTTAACGAACTGCAAGAGGAGATTGGCGCCTATGACTACGATGAACTTACAGAGCAGAGTGCCAA  
 TCTTGAAGAAAGGCTCCGTGCATGCATGCAAAAACCTAGCCTGCGGGAAGCTGACAGGCATAAGTGACCCA  
 GTGACTGTCAAGACCTCTGGCTCAAGGTTCCGGTCTGGATGACAGACCCGCTGGCCCCAGAAGGCGATA  
 ACCGGGCTGGTACATGGATGGTTATCACAAACCCGCTTTGTCGTGAGTACAAGTCCATGGTGGACTT  
 CATGAACACGGACAACCTTACCTCTCACCGTCTCCACACCCCTGGTCAGGTACGGGCCAGGTGGTCTAC  
 AATGGCTCCATCTATTTCAACAAATCCAGAGTACATTATCATTAGGTTTGACCTGAAGACAGAGACGA  
 TTCTGAAGACGCGCAGCCTGGACTATGGTGGCTACAACAATATGTATCACTACGCCTGGGGCGGCCACTC  
 AGACATCGACCTCATGGTGGACGAGAATGGGCTCTGGGCTGTCTATGCCAAAACCGAAGCAGGCAAC  
 ATTGTCATCAGCAAGCTGGATCCTGTCTCACTGCAGATCCTCCAGACCTGGAACACCAGCTACCCCAAGC  
 GCAGTGCCGGTGAGGCCTTCATCATCTGCGGCACCCTCTATGTCACCAACGGTACTCGGGGGCACCAA  
 GGTCCACTATGCCTACCAACCAACGCCTCGACCTACGAGTACATTGACATCCCCCTCCAGAACAATAC  
 TCTCACATCTCCATGCTGGACTACAACCCTAAAGACCCGCGCTGTACGCCTGGAACAATGGCCATCAGA  
 CCCTCTATAATGTACCCTTTCCATGTATCCGCTCCGATGAGTTGAGCTCCCGCTTTTCCAGAAGCC  
 AAGAGTCCAAGTCTCACCCGAGGACATTTCCATGAAACAGCTGCCAAATGATTCCAAGAATACTAACAG  
 TCTGATTTTGAGAAATCAGCGCAATTTTGACCGCGAGAGATGGTGTCTCTGTGTTCTCTACTCC  
 TGCAGGTGGGCCGAGATTTCAGAAGAAACCGCCATGTATGTGGATGGAAGTGCAGCCCAAGGCTCCTTG  
 GCTGTCCCATCCACCCATCCCTCTCTGGTCCAATAACTCAAAGAAGCAAGGCGATGACTGTTGGCCC  
 CTCTCACCAAGAACAACCCACTGTTAGGATTGCATGGACATTTCTTAGGTTGTGCCAGCGAGATGAT  
 GTGATGGCCATTTCCCCAACAGCTCCCCAGCCCCGAGGCGCTCGCTCAGTGTAGGTGCTTACGCC  
 CACACATATCGCAGCTGCCTTTTTCTTGACCGTGTGTTGTCTTAGATTAAGTGTGCTGAGACTCCCG  
 GTAGCTCATGGACCCGTGTCTAGTACTTTCCGAAGCGATGGTGGTGTGCGTAGGTGAAGTTGCTGTAC  
 CCACGTTGTTGAACTTGGTACCCTGTAGCTAGATCGTGAGGTGTCCGTCTGTTATCCCCAAGGTGGTA  
 ACTCCGTGTGTTCAATTTATGCAATGAATGTTGTATGCAATGCTGTAGTTTGGATTGATAAGTGGATGG  
 TTTCTGTTTCAAAAAGAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_019498

**Insert Size:** 1458 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [BC026547](#), [AAH26547](#)

**RefSeq Size:** 2272 bp

**RefSeq ORF:** 1458 bp

**Locus ID:** 56177

**Cytogenetics:** 2 A3

**Gene Summary:** Contributes to the regulation of axonal growth in the embryonic and adult central nervous system by inhibiting interactions between RTN4R and LINGO1. Inhibits RTN4R-mediated axon growth cone collapse (PubMed:22923615). May play an important role in regulating the production of neural crest cells by the neural tube (By similarity). May be required for normal responses to olfactory stimuli (PubMed:26107991).[UniProtKB/Swiss-Prot Function]