

## Product datasheet for MR212561

### Olfr1328 (NM\_146399) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Olfr1328 (NM\_146399) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Olfr1328  
 Synonyms: MOR259-1; MOR259-13; Olfr1519  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR212561 representing NM\_146399  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGATTCCAGAGCAGAACCAAAGTTGGGTTTCAGAGTTCATCCTGATTGGCTTCTCCAGTGACCCACGA  
 CCAACAGCATCCTCTTCATTGTCTTCTTCTCATTACCTGAGCTCAGTCCTGGCAATGGGCTCATCAT  
 CCTGCTGGTCTGCCTGGACACACAGCTGCACACTCCCATGTACTTCTTCTGTACCCTCTCCCTGTTG  
 GATATGAGCTATGTCACCACCACCATGCCCCAGATGTTGGTGCATCTTCTTGCTCACTCTCAGACCATCT  
 CCTTTGCTGGCTGCTGGCTGCAGATGTATGTGTTGGTGCCTGGGTATAACTGAGTGTACTTTTCTCGT  
 TGTGATGGCTTATGACCGGTATGTGGCCATATGCTATCCATTGCGCTATACTGTATCCTTAACTGGGGC  
 TTGTGCATACGGTTGGCAGCAGGCTTGGATCTGTGGTTTCTTTTCTCTTTATTGCATACTTTCTTCA  
 CCATGAGTCTGCCATACTGTGGGCCAACAGGGTCAACCACTACTTCTGTGAAGGTCCTTCAGTGCAGTAG  
 CTTGGCTTGATGGATACCCACCTCATTGAGATGGTGGACTTTGTGTTGAGTGTGTTTGTGGTTGTTATT  
 CCAATTTCCCTCATTGTGGCCTCCTATATTCGTATTGCCATGGCAATTCTCAAAATCAAGTCCACCCAGG  
 GCGCTGCAAGGCTTTCTACCTGTGCCTCCCACCTGACTGTGGTCACATTCTTTTATGCTCCAGCCAC  
 TTACATCTACCTTAGGCCAACTCCAGCTACTCCCCTGAGCGAGACAAGCAGGTCTCACTCTTTTACAAT  
 GCCTTTCACAGCCTTGCTCAACCCTGTGGTCTACAGTCTGAGGAACAAGGACATCAAGAGGGCATTCTCA  
 AGGTGATGGGACATAGTAGGCTGGACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR212561 representing NM\_146399  
 Red=Cloning site Green=Tags(s)

MIPEQNQSWVSEFILIGFSSDPTTNSILFIVFLLIYLVSSVLGNLIILLVCLDTQLHTPMYFFLCTLSLL  
 DMSYVTTTMPQMLVHLLAHSQTSISFAGCWLQMYVFGALGITECTFFVVMAYDRYVAICYPLRYTVILNWG  
 LCIRLAAGSWICGFFSSLLHTFFTMSLPYCGPNRVNHYFCEGPSVRSACMDTHLIEMVDFVLSVFVVVI  
 PISLIVASYIRIAMAILKIKSTQGRCKAFSTCASHLTVVTFYAPATYIYLRPNSSYSYSPERDKQVSLFYN  
 AFTALLNPVVVYSLRNKDIKRAFLKVMGHSRLDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9067\\_b03.zip](https://cdn.origene.com/chromatograms/mm9067_b03.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\_146399

**ORF Size:** 939 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\\_146399.2](#), [NP\\_666511.2](#)

**RefSeq Size:** 942 bp

**RefSeq ORF:** 942 bp

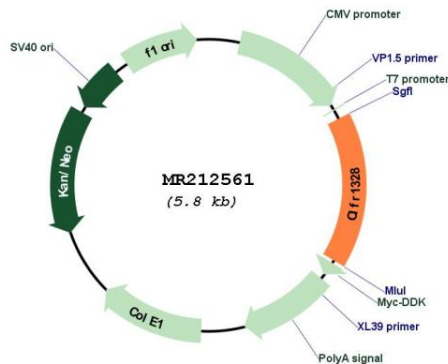
**Locus ID:** 258394

**Cytogenetics:** 4 D2.1

**MW:** 35.5 kDa

**Gene Summary:** Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for MR212561