

Product datasheet for **MC227012**

Olfr631 (NM_001271020) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Olfr631 (NM_001271020) Mouse Untagged Clone
Tag: Tag Free
Symbol: Olfr631
Synonyms: MOR3-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227012 representing NM_001271020
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTCCTATCCAACATTACTCATTTTTAGCCCTATGTTCTACCTCAGTGGCTTTCCTGGTTTGAAGCCT
TTGAACACTGGATCTTCATCCCCTTTTCTTGATGTACCTGGTGGCCATTCAGGCAATTGTCTCATTCT
GATAATTATTAAGACCAACCCTCGCTGCACACCCCATGTAATCTACTTTCCCTGCTGGCCCTCACT
GACCTGGGGCTGTCAAGTGTACCTTGCCACCATGGTGGGTATTTTTGGTTCAATTACCATGGCATT
ATTTTGGAGCCTGCCAAATCCAGATGTTCTGCATCCACTCTTTTTCCCTCATGGAGTCTGCAGTGCTCCT
CGTCATGTCTTTGATCGTTTTGTGGCCATCTGCCACCCACTGAGGTAATCTCCATTATTACCGTTTCA
AGGGTAATGAGGGCAGGCCTATGTGCATCCTCAGGGGGCCTGTAGCCCTATCCCAATTGTGCTCCTCC
TGAAGGATTTCCCTACTGTGGACCTCTGTCTCTCCACTCATTTTGTCTACACCAGGAAGTGATACA
CCTGGCATGTGTAGACACCACCTTCAACAACCTATATGGACTGCACTGGTGGTGTTCACCGTGATGCTA
GACCTCGTGCTCATTGCGCTGTCTATGGATTTCCTATACACGGTGGCTGGTCTGGCTTCCCAAGAGG
AGCAGATCCGAGCCTTCCAACATGTACTTCACATCTCTGTGCTGTGCTTGTGTTCTTTGGCCCATGAT
GGGACTGTCCCTGGTACCCGCTTTGGAAACATGCTCCACCTGCTGTGCATCTTCTCATGGCCAACATC
TACCTCTTTGTACCACCCATGCTTAACCCAGTCATATATAGTATTAAGACAAAGGAAATCCGAAAAGCAA
TCATCAGTTCTAGTTTTAGAAAGGTCAATTCTGAATCCTGGGGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271020
Insert Size: 960 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001271020.1</u> , <u>NP_001257949.1</u>
RefSeq Size:	1550 bp
RefSeq ORF:	960 bp
Locus ID:	258961
Cytogenetics:	7 E3
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]