

Product datasheet for **MC226963**

Olfr1290 (NM_001278788) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Olfr1290 (NM_001278788) Mouse Untagged Clone
Tag: Tag Free
Symbol: Olfr1290
Synonyms: MOR248-9
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC226963 representing NM_001278788
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAAGGCAATCACACTATGGTGTGAGAATTTATACTCTGGGGACTTTCCAGCTCACAGAGGATTG
 AAGTCTTACTCTTCATGGTGTTCATGCTTTATCTTCTCATTGTTCTGGAAATATTGTCATTCTGGT
 TTTAATCACCCTGACCCCATCTGCATTCTCCATGTACTTCTTGTGGCCAACTGCCTTTATTGAT
 ATGTGGCTTTCCTCAGTCACTACTCCTAAGATGATTACAGACTTCTCAGAGAAAACAAGACCATTTCT
 TTGCAGGATGCATGTCCAGGTCTTCTTTGCCATTGTATTGCTGCAGGAGAGATGGTGTGTTGGTGAT
 AATGGCTTATGATCGCTATGTGGCCATCTGCAAACCACTCCACTACTTACCATCATGAATATGAAGAGA
 TGCACTGGGTTGGTGTCACTTCTGGACAACCTGGATTTGTACATGCTCTTAGTCATTTGGTAGTGATTG
 TGGAAATGGCTTTTTGTGGACCTAAGGAAATAGATAGCTTTTTCTGTGACATGCCATTGGTAATCAAGCT
 AGCTTGCATAGATTCCCGTGACTTGGATGTTCTAATGAATGCTGATTGTGGACTTGTGGCTGAACCTTG
 TTTATTCTGTTGCTTATTTCTACACATATATTCTTATCACCGTATGTCAGAGCTCTAAAGCTGGTGCAT
 CTAAGGCAATGAACATGCCTGCCCACATTACGGTGGTGTGATCTTTTTGTGCCCTGCATCTTCAT
 CTATGTATGGCTCTCAATATCACTTGGTTGGATAAATTTCTTGTGTATTTTACTCTGTTTTTACACCT
 CTCCTAAATCCAGCCATTTATACTCTGAGAAATAAGAGATGAAAATGCCATGAAAAGATTTATAAGTA
 ACTACCTTAGTCACAAAGGAAATTTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001278788



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Insert Size:	939 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).
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_001278788.1</u> , <u>NP_001265717.1</u>
RefSeq Size:	1018 bp
RefSeq ORF:	939 bp
Locus ID:	257662
Cytogenetics:	2 E3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3, encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>