

## Product datasheet for MR229174

### Olfr1290 (NM\_001278788) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Olfr1290 (NM_001278788) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Olfr1290
Synonyms:	MOR248-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229174 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGAAGGCAATCACACTATGGTGTGAGAATTTATACTCTGGGGACTTTCCAGCTCACAGAGGATTG  
AAGTCTTACTCTTCATGGTGTTCATGCTTTATCTTCTCATTGTTCTGGAAATATTGTCATTCTGGT  
TTAATCACCCTGACCCCATCTGCATTCTCCATGACTTCTTGTGGCCAACTGTCCTTTATTGAT  
ATGTGGCTTTCCTCAGTCACTACTCCTAAGATGATTACAGACTTCTCAGAGAAAACAAGACCATTTCT  
TTGCAGGATGCATGTCCAGGTCTTCTTGGCCATTGTATTGCTGCAGGAGAGATGGTGTGTTGGTGAT  
AATGGCTTATGATCGCTATGTGGCCATCTGCAAACCACTCCACTACTTACCATCATGAATGAAGAGA  
TGCACTGGGTGGTGTCACTTCTGGACAACCTGGATTTGTACATGCTCTTAGTCATTTGGTAGTGATTG  
TGGAAATGCTTTTTGTGGACCTAAGGAAATAGATAGCTTTTTCTGTGACATGCCATTGGTAATCAAGCT  
AGCTTGCATAGATTCCCGTGACTTGGATGTTCTAATGAATGCTGATTGTGGACTGTGGCTGAACCTTG  
TTATTCTGTGCTTATTTCTACACATATATTCTTATCACCGTATGTCAGAGCTCTAAAGCTGGTGCAT  
CTAAGGCAATGAACATGCACTGCCACATTACGGTGGTGTGATCTTTTTGTGCCCTGCATCTTCAT  
CTATGTATGGCTCTCAATATCACTTGGTTGGATAAATTTCTTGTGTATTTTACTCTGTTTTTACACCT  
CTCCTAAATCCAGCCATTTACTCTGAGAAATAAGAGATGAAAATGCCATGAAAAGATTTATAAGTA  
ACTACCTTAGTCACAAAGGAAATTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_001278788.1](#), [NP\\_001265717.1](#)

**RefSeq Size:** 1018 bp

**RefSeq ORF:** 939 bp

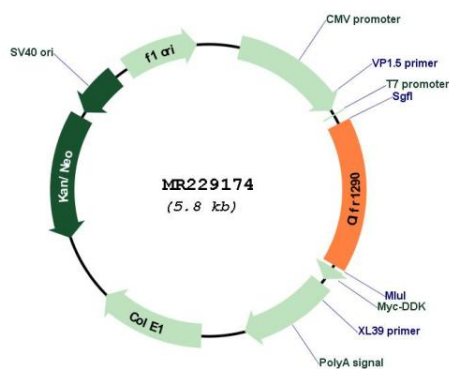
**Locus ID:** 257662

**Cytogenetics:** 2 E3

**MW:** 35.3 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 MR229174