

## Product datasheet for RC218528

### OR1L1 (NM\_001005236) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** OR1L1 (NM\_001005236) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** OR1L1  
**Synonyms:** HG23; OR1L2; OR9-27; OR9-C  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC218528 representing NM\_001005236  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGAAAGAAACCACAATCCAGATAATTGTAATGTTTTAAATTTTTCTTTGCTGATAAGAAGAATAAAA  
 GGAGAAATTTGGACAGATTGTATCAGATGTTGGAAGAATCTGTTACAGTGTTAGTTTATCTTTAGGTGA  
 ACCCACAACATATGGGAAGAAATAACCTAACAGACCCCTGAATTCATCCTCCTGGACTCTCCTCTCGA  
 CCTGAGGATCAGAAGCCGCTCTTTGCTGTGTTCCCTCCCATCTACCTTATCACAGTGATAGGAAACCTGC  
 TTATCATCCTGGCCATCCGCTCAGACACTCGTCTCCAGACGCCATGTACTTCTTTCTAAGCATCCTGTC  
 TTTTGTGACATTTGCTATGTGACAGTCATTATCCCTAAGATGCTGGTGAACCTTCTATCAGAGACAAAG  
 ACCATCTCTTACGGTGAGTGCTGACCCAGATGTACTTTTTCTTAGCCTTTGAAACACAGACAGTTACC  
 TGCTAGCAGCCATGGCCATTGACCGCTATGTGGCCATATGTAATCCCTTCCACTACATCACCATTATGAG  
 TCACAGATGCTGTGCTGCTTCTGTTCTCTCCTTCTGCATTCCACATTTTCACTCCCTCCTGCACATT  
 CTTCTGACTAATCAGCTCATCTTCTGTGCCTCCAATGTATCCATCACTTTTTCTGCGATGATCAACCAG  
 TGCTAAAATTGCCTGTTCCCTCCATTTTGTCAAAGAAATCACAGTAATGACAGAAGGCTTGGCTGTCAT  
 AATGACCCCGTTTTCATGCATCATCATCTTATTTAAGAATCCTCATCACTGTTCTGAAGATTCCTTCA  
 GCTGCTGGAAAGCGTAAAGCATTCTACCTGTGGCTCTCATCTCACAGTGGTGACCCCTGTTTTATGGAA  
 GCATTAGCTATGTCTATTTTCAGCCCCTGTCCAACCTATACTGTCAAGGATCAAATAGCAACAATTATCTA  
 CACCGTACTGACTCCTATGCTAAATCCATTTATCTATAGTCTGAGGAACAAGACATGAAGCAGGTTTTG  
 GCAAAGTTGATGCACAGGATGAAATGTCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC218528 representing NM\_001005236  
 Red=Cloning site Green=Tags(s)

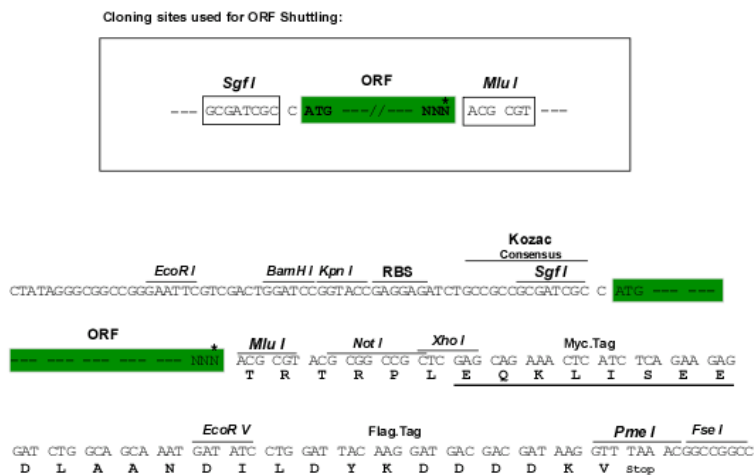
MERNHNPDNCNVLNFFFADKKNKRRNFGQIVSDVGRICYSVLSLGEPTTMGRNNLTRPSEFILLGLSSR  
 PEDQKPLFAVFLPIYLITVIGNLLIILAIRSDTRLQTPMYFFLSILSFVDICYVTVIIPKMLVNFLSEK  
 TISYGECLTQMYFFLAFGNTDSYLLAAMAIDRYVAICNPFHYITIMSHRCCVLLLVLSFCIPHFHSLLI  
 LLTNQLIFCASNVIHHFFCDDQPVLLKSCSSHVKEITVMTEGLAVIMTPFSCIIISYLRLITVLKIPS  
 AAGKRKAFSTCGSHLTVVTLFYGSI SYVYFQPLSNYTVKDQIATIIYTVLTPMLNPFYISLRNKDMKQGL  
 AKLMHRMKCQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8003\\_e06.zip](https://cdn.origene.com/chromatograms/mk8003_e06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001005236

**ORF Size:** 1080 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\\_001005236.1](#), [NP\\_001005236.1](#)

**RefSeq Size:** 933 bp

**RefSeq ORF:** 933 bp

**Locus ID:** 26737

**UniProt ID:** [Q8NH94](#)

**Cytogenetics:** 9q33.2

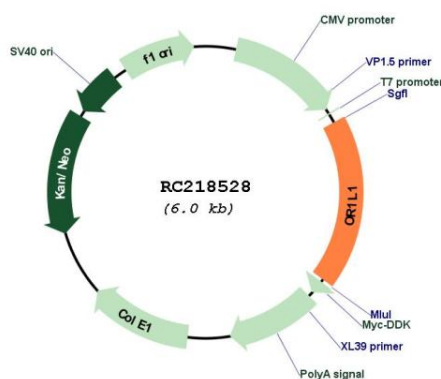
**Protein Families:** Transmembrane

**Protein Pathways:** Olfactory transduction

**MW:** 41 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 RC218528