

Product datasheet for **SC106927**

OR2L13 (NM_175911) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR2L13 (NM_175911) Human Untagged Clone
Tag:	Tag Free
Symbol:	OR2L13
Synonyms:	OR2L14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106927 sequence for NM_175911 edited (data generated by NextGen Sequencing)

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ATGGAGAAATGGAATCACACTTCAAATGATTTTGTGGGTCTGCTCCCCAAAT
CAAACGGAAATTTTCTTGTGCCTTATCATCCTCATATTCTTTCTGGCCTCGGTGGT
AACTCGGCCATGATTCACCTCATCCACGTGGATCCTCGTCTCCACACACCGATGACTTT
CTTCTCAGCCAGCTCTCCCTTATGGACCTGATGTACATCTCCACCACCGTCCCCAAGATG
GCGTACAACTTCTGTCCGGCCAGAAAGGCATCTCCTTCTGGGATGTGGTGTGCAAAGC
TTCTTCTCTGACCATGGCGTGTCTGAAGGCTTACTCCTGACCTCCATGGCCTACGAC
CGTTATTTGGCCATCTGCCACTCTCTATTATCCTATCCGCATGAGTAAAATGATGTGT
GTGAAGATGATTGGAGGCTCTTGGACACTGGGGTCCATCAACTCCTTGGCACACACAGTC
TTTGCCCTTCATATCCCTACTGCAGGTCTAGGGCTATTGACCATTTCTTCTGCGATGTC
CCAGCCATGTTGCTTCTTGCCTGTACAGATACTTGGGTCTATGAATATATGGTTTTTGTA
AGTACAAGCCTCTTTCTCCTTTTCCCTTTCATTGGCATCACTTCTTCTGTGGCCGAGTC
CTATTTGCTGTCTATCATATGCACTCAAAGGAGGGGAGAAAAAGGCCTTACCACCATT
TCAACACATTTAACTGTAGTGATCTTTTACTATGCACCTTTTGTCTACACCTATCTTCGG
CCCAGGAATCTCCGCTCACACAGCTGAAGACAAGATCCTGGCAGTCTTCTACACCATCCTT
ACCCCATGCTCAATCCCATTATCTACAGCCTGAGGAATAAGGAAGTCTGGGGGCTATG
AGGAGAGTGTTTGGGATATTCTCTTTCTGAAAGAATAA

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Clone variation with respect to NM_175911.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_175911 unedited GGGGAAGTTCNGGATATTTGTTAATACGNACTTCACTAAAGGNCGGCGCGCNAATTCC CGGGGATCCGGAGACGCGCTGCTGCGACACCAGCCGGCGCTTTGGCAGTGGTGGCG TGCTTGCGGGTCCAGGAGGGCCCTCTCCCGGACCGCCGACCACGATGAGAGCGTGAAG ACCCTCTCGAAAGGAAGGGCTCTGCTCTACACACTGGTGTCTCCTGCGGAAGGGCAGCTG GGCAGCCTTCCAGACCGAGCAAAAGTTGAAAAATCAGTAACCCAAGATGACTAACCAAA TCAATATGCTGGCAGGATGAGACATCAGTGTCTGCCTCAGACAGAAGAGCACACACAAA ACATGACCTCTCACTCCAAGCCAGTTACAGCAGAAAGTTTTTCATGGAGAAATGGAATCA CACTTCAAATGATTTTATTTTGTGGGTCTGCTTCCCCCAAATCAAAGTGAATATTTCT CTTGTCCTTATCATCCTCATATTCTTTCTGGCCTCGGTGGGTAAGTTCGGCCATGATTCA CCTCATCCACGTGGATCCTCGTCTCCACACACCGATGACTTTTCTCAGCCAGCTCTC CCTTATGGACCTGATGTACATCTCCACCACCGTCCCCAAGATGGCGTACAAGTTCCTGTC CGGCCAGAAAGGCATCTCCTTCTGGGATGTGGTGTGCAAAGCTTCTTCTCCTGACCAT GGCGTGTCTGANAGCTTACTCCTGACCTCCATGGCCTACGACCGTTATTTGGCCATCTG CCACTCTCTATTATCCTATCCGCATGAGTAAAATGATGTGTGTGAAGATGATTGGAGG CTCTTGACACTGGNGTCATCAACTCCTTGACACACAGTCTTTGCCCTACATATA
Restriction Sites:	Please inquire
ACCN:	NM_175911
Insert Size:	1850 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).
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:	NM_175911.2 , NP_787107.1
RefSeq Size:	1913 bp
RefSeq ORF:	939 bp
Locus ID:	284521
UniProt ID:	Q8N349
Cytogenetics:	1q44
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Olfactory transduction

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]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 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.