

Product datasheet for **SC126083**

OR2C3 (NM_198074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR2C3 (NM_198074) Human Untagged Clone
Tag:	Tag Free
Symbol:	OR2C3
Synonyms:	OR2C4; OR2C5P; OST742
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_198074 edited
CAGAAATCAACTGACAAATGGCAGATTCATAGGAGAAAAGACATACACATTTATTTGATC
ATAGTTTTACATAACAGAGGAGCCTTCAGATGAGAATCCAAGATACAAGAGAACTTCC
CATTTTTATGCTTAGGTTCAAAGCCATGGACAGCCATGTAGAAATATGATTGAACATGAA
GGGCATGATCTAATACTGATGGACTGAGTGAAGAAGCCCAGCAAGACCCATCGTGAGATT
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TATGACCCTACGCTGCCATCTGCAGGCCACTCCATTACACTGTCATTATGCATCCACAG
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ATGTTAAAGAACTTCTATCAATAGAGTAACCTATCACTAGAGTTCACCTCTATCAATAGA
GTAACCTCATTCTGCTGATGATTCAAAGGCATGGGAAGACAAAACCATGTGGCAGT
TCCTGTTTTGATTTTATTATATATATGATATAATATGAAAGTAGTCATTAAGTAGTC
TTTCCTTTCGTAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198074 unedited NGTTTCGCATTTGTATACGACTCATATAGGCGGACCGCGAATTCGCACGAGGCAGAAATCA ACTGACAAATGGCAGATTCAGTACTAGGAGAAAAGACATACACATTTATTTGATCATAGTTTT ACATAACAGAGGAGCCTTCAGATGAGAATCCAAAGATACAAGAGAAACTCCCATTTTTA TGCTTAGGTTCAAAGCCATGGACAGCCATGTAGAAATATGATTGAACATGAAGGGCATGA TCTAATACTGATGGACTGAGTGAAGAAGCCCAGCAAGACCCATCGTGAGATTCTTTTTGG CCTCTCTGAGCAGTGTCTTTTTTTCTTGGTATGGAATAAGACCTCTCTGGAATGGAGGT CTTATGATCTACAATCCAGTAAGGTGGCCTTTTGCCCCACCCCAGCATACAATGATGGA AATAGCCAATGTGAGTTCTCCAGAAGTCTTTGTCTCCTGGGCTTCTCCGCACGACCCTC ACTAGAAACTGTCCTCTTCATAGTTGTCTTGAGTTTTTACATGGTATCGATCTTGGGCAA TGGCATCATCTCTGGTCTCCCATACAGATGTGCACCTCCACACCTATGTACTTCTT TCTTGCCAACCTCTCCTCCTGGACATGAGCTTACCACGAGCATTGTCCACAGCTCCT GGCTAACCTCTGGGGACCACAGAAAACCATAAGCTATGGAGGGTGTGTGGTCCAGTTCTA TATCTCCCATTGGCTGGGGCAACCGAGTGTGCTCTGCTGGCACCATGCTCTATGACCGC TACGCTGCCATCTGCAGGCCACTCCATTACACTGTCATTATGCATCCACAGCTTTTGCT GGCTAGCTTTGGCCTCCTGGCTGGGGGTCTGACCACCAGCATGGTGGGGCTCACGCTC ACCATGCTCCTACCGGTGTGTGGGGACCATTGCC
Restriction Sites:	Please inquire
ACCN:	NM_198074
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:	<u>NM_198074.3</u> , <u>NP_932340.2</u>
RefSeq Size:	2791 bp
RefSeq ORF:	960 bp
Locus ID:	81472
UniProt ID:	<u>Q8N628</u>
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]