

Product datasheet for **SC127958**

OR5F1 (NM_003697) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR5F1 (NM_003697) Human Untagged Clone
Tag:	Tag Free
Symbol:	OR5F1
Synonyms:	OR11-10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003697, the custom clone sequence may differ by one or more nucleotides

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ATGACCAGAAAAATTATACCTCACTGACTGAGTTCGTCCTATTGGGATTAGCAGACACGCTGGAGCTAC
AGATTATCCTCTTTTTGTTTTTCTTGTGATTTATACACTTACAGTACTGGGAAATCTCGGGATGATCCT
CTTAATCAGGATCGATTCCCAGCTTCACACACCCATGATTTCTCCTGGCTAACCTGTCCTTTGTGGAC
GTTTGTAACTCACTACCATCACCCAAAGATGCTGCCAGATTTATTATCAGAGAAGAAAACCATCTCTT
TTGCTGGCTGCTTCTACAGATGTACTTCTTTATCTCCCTGGCGACAACCGAATGCATCCTCTTTGGTT
AATGGCCTATGACAGGTATGCGCCATATGTCGCCCGCTGCTTTACTCCTTGATCATGTCCAGGACCGTC
TACCTAAAAATGGCAGCCGGGGCTTTTGTGTCAGGTTGCTGAACTTCATGGTCAACACAAGCCATGTCA
GCAGCTTGTCATTCTGTGACTCCAATGTATCCATCACTTCTTCTGTGACAGTCCCCACTTTTCAAGCT
CTCTTGTCTGACACAATCCTGAAAGAAAGCATAAGTTCTATTTTGGCTGGTGTGAATTTGTGGGGACT
CTGCTTGTATCCTCTCCTACTCCTACGTTCTCTTCTCCATTTTTCTATGCATTCGGGGGAGGGGA
GGCACAGAGCTTTCTCCACGTGTGCCTCTCACCTGACAGCCATAATTCTGTTCTATGCCACCTGCATCTA
TACTTACCTGAGACCTAGTTCAGCTACTCCCTGAATCAGGACAAAGTGGCTTCTGTGTTCTACACAGTG
GTGATCCCATGTTGAATCCTCTGATCTACAGCCTCAGGAGTAAGGAAGTAAAGAAGGCTTTAGCGAATG
TAATTAGCAGGAAAAGGACCTCTTCTTCTGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003697 unedited</p> <pre> NGGTCCAGTTCATTTTTGTATACGACTCATATAGGCGGCCGCGNATTCGCCCTTATGACC AGAAAAATTATACCTCACTGACTGAGTTCGTCCTATTGGGATTAGCAGACACGCTGGAGC TACAGATTATCCTCTTTTTGTTTTTCTTGTGATTATACACTTACAGTACTGGGAAATC TCGGGATGATCCTCTTAATCAGGATCGATTCCCAGCTTACACACCCATGATTTCTTCC TGGCTAACCTGTCCTTTGTGGACGTTTGAACCTCACTACCCCAAGATGCTGG CAGATTTATTATCAGAGAAGAAAACCATCTCTTTTGGCTGGCTGCTTCTACAGATGACT TCTTTATCTCCCTGGCGACAACCGAATGCATCCTCTTTGGGTTAATGGCCTATGACCGGT ATGCGGCCATATGTCGCCGCTGCTTTACTCCTTGATCATGTCCAGGACCGTCTACCTAA AAATGGCAGCCGGGGCTTTTGTGCAGGGTTGCTGAACTTCATGGTCAACACAAGCCATG TCAGCAGCTTGTCACTTGTGACTCCAATGTCATCCATCACTTCTTGTGACAGTCCCC CACTTTTCAAGCTCTCTTGTCTGACACAATCCTGAAAGAAAGCATAAGTTCTATTTTGG CTGGTGTGAATATTGTGGGGACTCTGCTTGTATCCTCTCCTCTACTCTACGTCTCTCT TCTCCATTTTTCTATGCATTCCGNGGAGGGGAGGCACAGAGCTTCTCCACGTGTGCCCT CTCACCTGACAGCCATAATTCTGTTCTATGCCACCTGCATCTATACTTACCTGAGACCTA GTTTCAGCTACTCCCTGAAATCAGACAAGTGGCTTCTGTGA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_003697 unedited</p> <pre> CCAGTGGCACCATTGGGTGTGGGCAACTCCAGGCCCGGAAAGAGCACTGGGGGAGGGGT CACAGGGCTGCCACCCGGGCACTGTTCCAGGAAACAGCTATGACCGCGCCGCAATCTAGA GTCGACAAGCTTGATATCGGTACCAGATCTGAATTCGCCCTTTCACAGAAAGGAAGAGGT CCTTTTCTGCTAATTACATTGCTAAAGCCTTCTTTACTTCTTATTCTGAGGCTGTA GATCAGAGGATCAACATGGGAATCACCCTGTGTAGAACACAGAAGCCACTTTGTCTCTG ATTCAGGGAGTAGCTGGAAGTAGGTCTCAGGTAAGTATAGATGCAGGTGGCATAGAACAG AATTATGGCTGTGAGGTGAGAGGCACACGTGGAGAAAGCTCTGTGCCCTCCCTCCCCGA ATGCATAGAAAAATGGAGAAGAGAACGTAGGAGTAGGAGGAGAGGATGACAAGCAGAGT CCCCACAATATTCACACCAGCCAAAATAGAACTTATGCTTTTCTTTCAGGATTGTGTCAGA ACAAGAGAGCTTGAAAAGTGGGGACTGTACAGAGAAGATGATGGATGACATTGGAGTC ACAGAATGACAAGCTGCTGACATGGCTTGTGTTGACCATGAAGTTCAGCAACCCTGCAGC AAAAGCCCCGGCTGCCATTTTTAGGTAGACGGTCTGGACATGATCAAAGAGTAAAGCAG CGGGCGACATATGGCCGATACCGGTCATAGGCCATTAACCCAAAGAGGATGCATTGGGG TTGTCGCCCGGGAGATAAAGAAGTACATCTGTGGGAAGCAGCCCGCAAAGGAATGTTTTT TCTTCTGATAATAAATCCGCCAGCATCTTTGGGGGATGGTAGTTGAC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_003697
Insert Size:	1000 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_003697.1 , NP_003688.1
RefSeq Size:	945 bp
RefSeq ORF:	945 bp
Locus ID:	338674
UniProt ID:	O95221
Cytogenetics:	11q12.1
Protein Families:	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]