

Product datasheet for **SC306606**

OR5P3 (NM_153445) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR5P3 (NM_153445) Human Untagged Clone
Tag:	Tag Free
Symbol:	OR5P3
Synonyms:	JCG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_153445 edited TTTCTTTTCAGTTGGCACCCTTCCCAATATAGATGGGGACTGGAATGACACCCTGTGG TAGAGTTTACTCTTTTGGGGTTATCCGAGGATACTACAGTTTGTGCTATTTTATTCTTG TGTTTCTAGGAATTTATGTTGTACCTTAATGGGTAATATCAGCATAATTGTATTGATCA GAAGAAGTCATCATCTTCATACACCCATGTACATTTTCTCTGCCATTTGGCCTTTGTAG ACATTGGGTACTCCTCATCAGTCACACCTGTCATGCTCATGAGCTTCTAAGGAAAGAAA CCTCTCTCCCTGTTGCTGGTTGTGTGGCCAGCTCTGTTCTGTAGTGACGTTTGGTACGG CCGAGTGCTTCTGCTGGCTGCCATGGCCTATGATCGCTATGTGGCCATCTGCTCACCCC TGCTCTACTCTACCTGCATGTCCCCTGGAGTCTGCATCATCTTAGTGGGCATGCTCCTACC TGGGTGGATGTGAATGCTTGGACATTCATTGGCTGCTATTAAGACTGTCCTTCTGTG GGCCAAATAAAGTCAATCACTTTTTCTGTGACTATTCACCACTTTTGAAGCTTGCTTGTT CCCATGATTTTACTTTTGAATAATTCCAGCTATCTTCTGGATCTATCATTGTGGCCA CTGTGTGTGTCATAGCCATATCCTACATCTATATCCTCATCACCATCCTGAAGATGCACT CCACCAAGGGCCGCCACAAGGCCTTCTCCACCTGCACCTCCCACCTCACTGCAGTCACTC TGTTCTATGGGACCATTACCTTCATTTATGTGATGCCCAAGTCCAGCTACTCAACTGACC AGAACAAGGTGGTGTCTGTGTTCTACACCGTGGTGATTCCCATGTTGAACCCCTGATCT ACAGCCTCAGGAACAAGGAGATTAAGGGGGCTCTGAAGAGAGAGCTTAGAATAAAAAATAT TTTCTTGATGAACTAGTTAGTTTGAAGAATCTGATATATTAATATTCTATATATAATAA TAATAAGACACCGAGTGTGTTGTGGTCAAATTTATCTGTCCA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153445 unedited GTTTCCATTTTGTAAACGACTCACTATAGGCGGCCGCGATTTCGCCCTTTTCTTTTCAGT TGGCACCACCTTCCCAATATAGATGGGGACTGGAAATGACACCACCTGTGGTAGAGTTTACT CTTTTGGGGTTATCCGAGGATACTACAGTTTGTGCTATTTTATTTCTTGTGTTTCTAGGA ATTTATGTTGTACCTTAATGGGTAATATCAGCATAATTGTATTGATCAGAAGAAGTCAT CATCTTCATACACCCATGTACATTTTCTCTGCCATTTGGCCTTTGTAGACATTGGGTAC TCCTCATCAGTCACACCTGTGCTCATGAGCTTCTAAGGAAAGAAACCTCTCTCCCT GTTGCTGGTTGTGTGGCCAGCTCTGTTCTGTAGTGACGTTTGGTACGGCCGAGTGCTTC CTGCTGGCTGCCATGGCCTATGATCGCTATGTGGCCATCTGCTCACCCCTGCTCTACTCT ACCTGCATGTCCCTGGAGTCTGCATCATCTTAGTGGGCATGCTCTACCTGGGTGGATGT GTGAATGCTTGGACATTCATTGGCTGCTTATTAAGACTGCTCTTGTGGCCAAATAAA GTCAATCACTTTTCTGTGACTATTCACCACTTTGAAGCTTGCTTGTCCCATGATTTT ACTTTTGAATAATCCCGCTATCTTCTGGATCTATCATTGTGGCCACTGTGTGTGTC ATAGCCATATCCTACATCTATATCCTCATACCCTCTGAAGATGCACTCCACCAAGGGC CGCCACAAGGGCCTTTTCCACCTGCACCTCCACCTCACTG
Restriction Sites:	Please inquire
ACCN:	NM_153445
Insert Size:	1100 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_153445.1 , NP_703146.1
RefSeq Size:	936 bp
RefSeq ORF:	936 bp
Locus ID:	120066
UniProt ID:	Q8WZ94
Cytogenetics:	11p15.4
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]