

Product datasheet for **SC300820**

OR56B1 (NM_001005180) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OR56B1 (NM_001005180) Human Untagged Clone
Tag:	Tag Free
Symbol:	OR56B1
Synonyms:	OR11-65; OR56B1P
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001005180 edited ATGAATCATATGTCTGCATCTCTCAAAATCTCCAATAGTTCCAAATCCAGGTCTCTGAG TTCATCCTGCTGGGATTCCCGGCATTACAGCTGGCAACACTGGCTATCTCTGCCCTG GCACTACTGTATCTCTCAGCACTTGCTGCAAACCCCTCATCCTCATCATCATCTGGCAG AACCCCTCTTTACAGCAGCCCATGTATATTTTCCTTGGCATCCTCTGTATGGTAGACATG GGTCTGGCCACTACTATCATCCCTAAGATCCTGGCCATCTTCTGGTTTGATGCCAAGTT ATTAGCCTCCCTGAGTGCCTTGGCTCAGATTTATGCCATCACTTCTTTGTGGCATGGAG TCTGGTATCCTCCTCTGCATGGCTTTTGATAGATATGTGGCTATTTGTCACCCCTCTTCG TATCCATCAATTGTCACCAGTTCCTTAATCTTAAAAGCTACCCTGTTTCATGGTGCTGAGA AATGGCTTATTTGTCACCTCCAGTGCCTGTGCTTGCAGCACAGCGTGATTATTGCTCCAAG AATGAAATTGAACACTGCCTGTGCTCTAACCTTGGGGTCAAGCCTGGCTTGTGATGAC AGGAGGCCAAACAGCATTGCCAGTTGGTCTGGCATGGCTTGAATGGGGAGTGATCTA AGTCTTATTATACTGTATATATTTGATTCTGTACTCTGTACTTAGACTGAACTCAGCT GAAGCTGCAGCCAAGGCCCTGAGCACTTGTAGTTCACATCTCACCCCTCATCCTTTTCTTT TACACTATTGTTGTAGTGATTTTCAGTACTCATCTGACAGAGATGAAGGCTACTTTGATT CCAGTTCTACTTAATGTGTTGCACAACATCATCCCCCTTCCCTCAACCTACAGTTTAT GCACTTCAGACCAAGAAGCTTAGGGCAGCCTTCCAAAAGGTGCTGTTGCCCTTACAAAA GAAATAAGATCTTAG



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001005180 unedited</p> <pre>GGGCACATTGTATACGACTCCTATAGGGCGGCCGGAATTCGGCACGAGGATGAATCATA TGTCTGCATCTCTCAAAATCTCCAATAGTTCCAAATTCAGGTCTCTGAGTTCATCCTGC TGGGATCCCAGGATTACAGCTGGCAACACTGGCTATCTGCCCCCTGGCACTACTGT ATCTCTCAGCACTTGCTGCAACACCCTCATCCTCATCATCTGGCAGAACCCCTTCTT TACAGCAGCCCATGTATATTTTCCTTGGCATCCTCTGTATGGTAGACATGGGTCTGGCCA CTACTATCATCCCTAAGATCCTGGCCATCTTCTGGTTTGATGCCAAGGTTATTAGCCTCC CTGAGTGCTTTGCTCAGATTTATGCCATTCACCTCTTTGTGGGCATGGAGTCTGGTATCC TCCTCTGCATGGCTTTTGATAGATATGTGGCTATTTGTCACCCTCTTCGCTATCCATCAA TTGTCACCAGTTCCTTAATCTTAAAAGCTACCCTGTTTCATGGTGTGAGAAATGGCTTAT TTGTCACCTCCAGTGCCTGTGCTTGCAGCACAGCGTGATTATTGCTCCAAGAATGAAATTG AACACTGCCTGTGCTCTAACCTTGGGGTACAAGCCTGGCTTGTGATGACAGGAGGCCAA ACAGCATTTGCCAGTTGGTTCTGGCATGGCTTTGAAATGGGGAGTGATCTAAGTCTTATT ATACTGTCATATATTTTGATTCTGTACTCTGTACTTAGACTGAACTCAGCTGAAGCTGCA GCCAAGGCCCTGAGCACTTGTAGTTCACATCTCACCCCTATCCTTTTCTTTTACACTATT GTTGTAGTGATTTCAAGTACTCATCTGACAGAGATGAACGCTACTTTGATTCCAGTCTCA CTTAATGTTGTTGCACAACATCATTCCCCCTTTCCCTCAACCCTAACAGTATG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' genomic read for NM_001005180 unedited</p> <pre>CGGGACGGGCACCTTCGGGCCGGAAGGCACCGGGGAGGGGTACAGGGACGCCACCCGGG ATCTGTTCCGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGACAAGCTTGATATCGG TACCAGACCTGAATTCGCCCTTCTAAGACCTTATTTCTTTTGTAAAGGCAACAGCACCT TTTGAAGGCTGCCCTAAGTCTTTGGTCTGAAGTGCATAAACTGTAGGGTTGAGGGAAG GGGGGATGATGTTGTGCAACACATTAAGTAGAAGTGAATCAAAGTAGCCTTCATCTCTG TCAGATGAGTCACTGAAATCACTACAACAATAGTGTAAGAAAAGAAAGGATGAGGGTGAGAT GTGAACTACAAGTGTCAAGGCTTGGCTGCAGCTTCAGCTGAGTTCAGTCTAAGTACAG AGTACAGAATCAAAATATATGACAGTATAATAAGACTTAGATCACTCCCCATTCCAAGCC ATGCCAGAACCAACTGGCAAATGCTGTTTGGCCTCCTGTCATCACAAGCCAGGCTTGTA CCCCAAGGTTAGAGCACAGGCAGTGTTCAATTTTCTTGGAGCAATAATCACGCTGTG CTGCAAGCACAGGCACTGGAGTGACAAAATAAGCCATTTCTCAGCACCATGAACAGGGTAG CTTTTAAGATTAAGGAAGTGGTGACAATTGATGGATAGCGAAGAGGGTGACAAAATAGCCA CATATCTATCAAAAGCCATGCAGAGGAGGATACCAGACTCCATGCCACAAAAGAAGTGAA TGGCATAAATCTGAGCAAAGCACTCAGGAGGCTAATAACCCTTGGCATCAAACCAGAGAT GGCCAGATCTAGGGATGATAGTAGTGGCCAGACCCATGTCTACCATACAGAGGATGCCCA AGGAAAAATAATAACATGGGCTG</pre>
Restriction Sites:	Please inquire
ACCN:	NM_001005180
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).
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_001005180.1 , NP_001005180.1
RefSeq Size:	975 bp
RefSeq ORF:	975 bp
Locus ID:	387748
UniProt ID:	Q8NGI3
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]