

Product datasheet for **SC300834**

OR8A1 (NM_001005194) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: OR8A1 (NM_001005194) Human Untagged Clone
Tag: Tag Free
Symbol: OR8A1
Synonyms: OR11-318; OST025
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001005194 edited
ATGGGGTTCTTGTCTCCCATGCATCCCTGCAGGCCTCCCACCCAGAGGAGAATGGCTGCA
GGAAATCACTCTACAGTGACAGAGTTTCAATCTCAAGGGTTTAAACGAAGAGAGCAGACCTC
CAGCTCCCCTCTTTCTCCTCTTCTCGGATCTACTTGGTCACCATCGTGGGGAACCTG
GGCATGATCACTTAATTTGTCTGAACTCTCAGCTGCACACCCCATGTAATACTTTCTC
AGCAATCTGCACTCATGGATCTCTGCTACTCCTCCGTCATTACCCCTAAGATGCTGGTG
AACTTTGTGTCAGAGAAAAACATCATCTCCTACGCAGGGTGCATGTCACAGCTCTACTTC
TTCCTTGTGTTTGTGCTGAGTGTTACATGCTGACAGTGATGGCCTACGACCGCTAT
GTTGCCATCTGCCACCCTTTGCTTTACAACATCATTATGTCTCATCACACCTGCCTGCTG
CTGGTGGCTGTGGTCTACGCCATCGGACTCATTGGCTCCACAATAGAAACTGGCCTCATG
TTAAAAGTGCCTATTGTGAGCACCTCATCAGTCACTACTTCTGTGACATCCTCCCTCTC
ATGAAGCTGTCCTGCTCTAGCACCTATGATGTTGAGATGACAGTCTTCTTTTCGGCTGGA
TTCAACATCATAGTCACGAGCTTAACAGTTCTTGTCTTACACCTTCATTCTCTCCAGC
ATCCTCGGCATCAGCACACAGAGGGGAGATCCAAAGCCTTCAGCACCTGCAGCTCCCAC
CTTGACAGCCGTGGGAATGTTCTATGGATCAACTGCATTTCATGTAATAAACCTCCACA
ATCAGTTCCTTGACCCAGGAGAAATGTGGCCTCTGTGTTTACACCACGGTAATCCCCATG
TTGAATCCCCTAATCTACAGCCTGAGGAACAAGGAAGTAAAGGCTGCCGTGCAGAAAACG
CTGAGGGGTAAACTGTTTTGA

Restriction Sites: Please inquire
ACCN: NM_001005194
Insert Size: 1000 bp



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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:	<u>NM_001005194.1</u> , <u>NP_001005194.1</u>
RefSeq Size:	981 bp
RefSeq ORF:	981 bp
Locus ID:	390275
UniProt ID:	<u>Q8NKG7</u>
Cytogenetics:	11q24.2
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]