

## Product datasheet for **SC307080**

### TAS2R44 (TAS2R31) (NM\_176885) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R44 (TAS2R31) (NM_176885) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R44
Synonyms:	T2R31; T2R44; T2R53; TAS2R44
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_176885 edited CGAACCCACCTGCAGGAACCAACTCCGGACACAACACCAGCATTAAAACAATTTTTTTTT TGCTGTTCAGACATGACAACCTTTTATACCCATCATTTTTTCCAGTGTGGTAGTGGTTCT ATTTGTTATTGGAAATTTTGCTAATGGCTTCATAGCATTGGTAAATTCCATTGAGCGGGT CAAGAGACAAAAGATCTCTTTTGCTGACCAGATTCTCACTGCTCTGGCGGTCTCCAGAGT TGGTTTGTCTGGGTATTATTATAAATTGGTATTCAACTGTGTTAATCCAGCTTTTTA TAGTGTAGAAGTAAGAATACTGCTTATAATGTCTGGGCAGTAACCGCCATTTTCAGCAA CTGGCTTGCTACTAGCCTCAGCATATTTTATTTGCTCAAGATTGCCAATTTCTCCAACCT TATTTTTCTTCACTTAAAGAGGAGAGTTAAGAGTGTCATTCTGGTGATGCTGTTGGGGCC TTTACTATTTTTGGCTTGTCAACTTTTTGTGATAAACATGAAAGAGATTGTACGGACAAA AGAATATGAAGGAACTTGACTTGAAGATCAAATTGAGGAGTGCAGTGTACCTTTCAGA TGCAGCTGTAACACGCTAGGAACTTAGTGCCCTTCACTCTGACCCTGCTATGTTTTTT GCTGTTAATCTGTTCTCTGTGTAACATCTCAAGAAGATGCAGCTCCATGGTAAAGGATC TCAAGATCCCAGCACCAAGGTCCACATAAAAGCTTTGCAAAGTGTGATCTTTTTCTCTCT GTTATGTGCCGTTTACTTTCTGTCCATAATGATATCAGTTTGGAGTTTGGGAGTCTGGA AAACAACTGTCTTTCATGTTCTGCAAAGCTATTAGATTCAGCTATCCTTCAATCCACCC ATTCATCTGATTTGGGAAACAAGAAGCTAAAGCAGACTTTTCTTTTCAGTTTGGCGCA AGTGAGGTACTGGGTGAAAGGAGAGAAGCCTTCATCTCCATAGATTTCATGAGAGGGGCAT TG
Restriction Sites:	Please inquire
ACCN:	NM_176885
Insert Size:	1000 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_176885.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_176885.1</a></u> , <u><a href="#">NP_795366.1</a></u>
<b>RefSeq Size:</b>	930 bp
<b>RefSeq ORF:</b>	930 bp
<b>Locus ID:</b>	259290
<b>UniProt ID:</b>	<u><a href="#">P59538</a></u>
<b>Cytogenetics:</b>	12p13.2
<b>Protein Pathways:</b>	Taste transduction
<b>Gene Summary:</b>	TAS2R44 belongs to the large TAS2R receptor family. TAS2Rs are expressed on the surface of taste receptor cells and mediate the perception of bitterness through a G protein-coupled second messenger pathway (Conte et al., 2002 [PubMed 12584440]). For further information on TAS2Rs, see MIM 604791.[supplied by OMIM, Mar 2009]