

## Product datasheet for **SC307081**

### TAS2R46 (NM\_176887) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R46 (NM_176887) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R46
Synonyms:	T2R46; T2R54
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_176887 edited ATGATAACTTTTCTGCCCATCATTTTTTCCATTCTAATAGTGGTTACATTTGTGATTGGA AATTTTGGCTAATGGCTTCATAGCATTGGTAAATTCCATTGAGTGGTTCAAGAGACAAAAG ATCTCTTTTGGCTGACCAAATTCTCACTGCTCTGGCAGTCTCCAGAGTTGGTTACTCTGG GTATTAGTATTAATTGGTATGCAACTGAGTTGAATCCAGCTTTTAAACAGTATAGAAGTA AGAATTACTGCTTACAATGTCTGGGCAGTAATCAACCATTTCAGCAACTGGCTTGCTACT AGCCTCAGCATATTTTATTTGCTCAAGATTGCCAATTTCTCCAACCTATTTTTCTTCAC TTAAAGAGGAGAGTTAAGAGTGTGTTCTGGTGATACTATTGGGGCCTTTGCTATTTTTG GTTTGTGTCATTTTTGTGATAAACATGAATCAGATTATATGGACAAAAGAATATGAAGGA AACATGACTTGGAAAGATCAAACCTGAGGAGTGAATGTACCTTTCAAATACAACGGTAACC ATCCTAGCAAACCTAGTCCCTTCACTCTGACCCTGATATCTTTTCTGCTGTTAATCTGT TCTCTGTGTAACATCTCAAAAAGATGCAGCTCCATGGCAAAGGATCTCAAGATCCCAGC ATGAAGGTCCACATAAAAGCTATGCAAACCTGTGACCTCCTTCTTGTATGTGCCATT TACTTTCTGTCCATAATCATGTGCTGAGTTTGGAGTTTTGAGAGTCTGGAAAACAAACCTGTC TTCATGTTCTGCGAAGCTATTGCATTGAGTATCCTTCAACCCACCCATTTCATCTGATT TGGGGAACAAGAAGCTAAAGCAGACTTTTCTTTTCAGTTTTGTGGCATGTGAGGACTGG GTGAAAGGAGAGAAGCCTTCATCTTCATAG
Restriction Sites:	Please inquire
ACCN:	NM_176887
Insert Size:	900 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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_176887.1</a> , <a href="#">NP_795368.1</a>
<b>RefSeq Size:</b>	900 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	259292
<b>UniProt ID:</b>	<a href="#">P59540</a>
<b>Cytogenetics:</b>	12p13.2
<b>Protein Pathways:</b>	Taste transduction
<b>Gene Summary:</b>	TAS2R46 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, Sep 2009]