

Product datasheet for **SC309246**

TAS2R45 (NM_176886) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAS2R45 (NM_176886) Human Untagged Clone
Tag: Tag Free
Symbol: TAS2R45
Synonyms: GPR59; T2R45; ZG24P
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_176886 edited
 CCATGCCATCTTTAAGAGCTGTAACATCATTGCAAAGGTCCTGCCCTCCATTCTTGAAGT
 CAGCGAGACCACGAACCCACCTGCAGGAACCAACTCCGGATACAACACCAGCATTTTAAA
 AATTTCTTTTTGTCTGTTTTCAGACATGATAACTTTTCTGCCATCATATTTTCCATTCTAG
 TAGTGGTTACATTTGTTATTGGAATTTTGCTAATGGCTTCATAGCGTTGGTAAATTCCA
 CCGAGTGGGTGAAGAGACAAAAGATCTCCTTTGCTGACCAAATTGCACTGCTCTGGCGG
 TCTCCAGAGTTGGTTTGGCTCTGGGTGTTATTATTAATGGTATTCAACTGTGTTGAATC
 CAGCTTTTGTAGTGTAGAATTAAGAACTACTGCTTATAATATCTGGGCAGTAACCGGCC
 ATTTTCAGCAACTGGCCTGCTACTAGCCTCAGCATATTTTATTTGCTCAAGATTGCCAATT
 TCTCCAACCTTATTTTCTCGCTTAAAGAGGAGAGTTAAGAGTGCATTCTGGTGATGC
 TGTGGGGCCTTTGCTATTTTGGCTTGCATCTTTTGTGGTAAACATGAATCAGATTG
 TATGGACAAAAGAATATGAAGGAAACATGACTTGGAAAGTCAAATTGAGGCGTGCAATGT
 ACCTTTCAGATACGACTGTAACCATGCTAGCAAACCTTAGTACCCTTTACTGTAACCCTGA
 TATCTTTTCTGCTGTTAGTCTGTCTCTGTGTAAACATCTCAAGAAGATGCACCTCCATG
 GCAAAGGATCTCAAGATCCCAGTACCAAGGTCCACATAAAAGTTTGGAACTGTGATCT
 CCTTCTCTTGTATGTGCCATTTACTTTGTGTCTGTAATAATATCAGTTTGGAGTTTTA
 AGAATCTGGAAAACAACTGTCTTCATGTTCTGCCAAGCTATTGGATTGAGCTGTTCTT
 CAGCCCACCCGTTTCATCTGATTTGGGAAACAAGAAGCTAAAGCAGACTTATCTTTTCAG
 TTTTGTGGCAAATGACGTACTGGGTGAAAGGAGAGAAGCCTTCATCTCCATAGATTGAGA
 AGAGGGGCATTGTGTCTTCTAGCAAAAACAACTGGTGGTGTATGAAACATTTTATA
 TTTCTTACTGTGTTTTCTGTAATGTATGTGTATGAATAATTTCCAACATATACCTAGAT
 AAATCTTAACTAGTCTAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_176886 unedited TATTATGTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCCATGCCATCT TTAAGAGCTGTAACATCATTGCAAAGGTCGGTCCATTCTTGAAGTCAGCGAGACCA CGAACCCACCTGCAGGAACCACTCCGGATACAACACCAGCATTTTAAAAATTTCTTTTT GTCTGTTGACACATGATAACTTTTCTGCCATCATATTTCCATTCTAGTAGTGGTTACA TTTGTATTGGAAATTTGCTAATGGCTTCATAGCGTTGGTAAATCCACCGAGTGGGTG AAGAGACAAAAGATCTCCTTTGCTGACCAAAATTGCACTGCTCTGGCGGTCTCCAGAGTT GGTTTGCTCTGGGTGTTATTATTAATGGTATTCAACTGTGTTGAATCCAGCTTTTTGT AGTGTAGAATTAAGAACTACTGCTTATAATATCTGGGCAGTAACCGCCATTTTCAGCAAC TGGCCTGCTACTAGCCTCAGCATATTTTATTTGCTCAAGATTGCCAATTTCTCCAACCTT ATTTTTCTTCGCTTAAAGAGGAGAGTTAAGAGTGTATTCTGGTGATGCTGTTGGGGCT TTGCTATTTTTGGCTTGCATCTTTTTGTGTTAAACATGAATCAGATTGTATGGACAAA GAATATGAAGGAAACATGACTTGAAGATCAAATTGAGGCGTGAATGTACCTTTCAGAT ACGACTGTAACCATGCTAGCAAACCTTAGTACCCTTACTGTAACCCTGATATCCTTTCTG CTGGTAGCCTGTCTCTGTGTAACATCTCAAGAAGATGCACCTTCATTGCAAAGGATCT CAAGATCCCATACCAAGTCCACATAAAAGTTTGCAAAAGTGGGATCTCCTTCTCTGTATG TGCCATTAAGTGTCTGTATATATCAGNTGGAGTTTAAAGAATTGAAAACACCTGTTTCAG TTTGCCAGCTTTGATTACTGTCTTACCCACCTCT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_176886 unedited CCACCATTGGATGATGGCAACTCTCCAGGCCAGNATAGCACTGGGGAAGGGGTACAC AGGGCATGCCACCCGGGATCTGTTACAGAAACAGCTATGACCGCGCCGAATCTAGAGT CGAGTTTTTTTTTTTTTTTTTACACGAGGTTAAAGTATTTATCTAGGAATATGTCTTGG AAATTATTCATACCCAGTACCTTACAGAAAACACAGTGAGAACTATAAAGTCGTTTCATA CTCCACCAGTTTGTCTGCTAGAAAACACGCAATGCCCTCTTCTGAATCTAGGAGAT GAAGGCTTCTCTCTTACCAGTACGTATTGCCACAAAACGAAAGATAAGTCTGCT TTAGCTTCTTGTTCCTTCCAAATCAGGATGAACGGTGGGCTGAAGAACAGCTGAATCCAA TAGCTTGGCAAAACATGAAGACAGGTTTGTTCAGATTCTTAAACTCCAACTGATA TTATTACAGACACACAGTAAATGGCACATAACAAGAGGAAGGAGATCACAGTTTGAAAA CTTTTATGTGGACCTTGGTACTGGGATCTTGGATCCTTTGCCATGGAGGTGCATCTTCT TGAGATGTTTACACAGAGAACAGACTAACAGCAGAAAAGATATCAGGGTTACAGTAAAGG GTACTAAGTTTGGTAGCATGGTTACAGTCTATCTGAAAGGTACATTGCACGCCCAATT TGATCTTCCAAGTCATGTTTCTTCAAATTTCTTTTGGCCATACCATCCGGATCATGGTTT ACACAAAAAGATGACCAGCCAAAATAGCAAAAGCCGNCAACCGCTCCCAGAAAGGACA CTCCTAAGTCTCTCTTAAAGCGAAAAAATTAAGGGTGAAAAATTGGGCATCCCTGAG CAAATAAAATGA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_176886
Insert Size:	1200 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 contain 4 amino acid differences from 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:

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_176886.1](#), [NP_795367.1](#)

RefSeq Size: 900 bp

RefSeq ORF: 900 bp

Locus ID: 259291

Protein Pathways: Taste transduction