

## Product datasheet for **SC304645**

### TAS2R5 (NM\_018980) Human Untagged Clone

#### Product data:

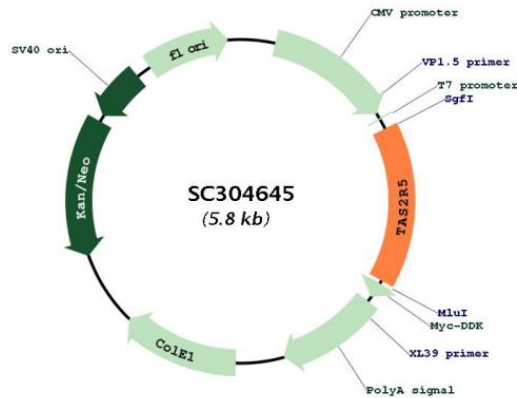
Product Type:	Expression Plasmids
Product Name:	TAS2R5 (NM_018980) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R5
Synonyms:	T2R5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304645 representing NM_018980. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGCTGAGCGCTGGCCTAGGACTGCTGATGCTGGTGCCAGTGGTTGAATTTCTCATCGGTTTAATTGGA
AATGGAAGCCTGGTGGTCTGGAGTTTTAGAGAATGGATCAGAAAATCAACTGGTCCTCATATAACCTC
ATTATCCTGGCCTGGCTGGCTGCCGATTTCTCCTGCAGTGGCTGATCATTTTGGACTTAAGCTTGTTT
CCACTTTTCCAGAGCAGCCGTTGGCTTCGCTATCTTAGTATCTTCTGGTCTGGTAAGCCAGGCCAGC
TTATGGTTTGCCACCTTCTCAGTGTCTTCTATTGCAAGAAGATCAGACCTTCGATCGCCCGCCCTAC
TTGTGGCTGAAGCAGAGGGCCTATAACCTGAGTCTCTGGTGCCTTCTGGGCTACTTTATAATCAATTTG
TTACTTACAGTCCAAATTGGCTTAACATTCTATCATCCTCCCAAGGAAACAGCAGCATTCCGGTATCCC
TTTGAAAGCTGGCAGTACCTGTATGCATTTAGCTCAATTCAGGAAGTTATTTGCCTTTAGTGGTGT
CTTGTTTCTCTGGGATGCTGATTGTCTTTGTATACACACCACAAGAAGATGAAGTCCATTCAGCT
GGTAGGAGGGATGCCGGCCAAGGCTCACATCACTGCGCTGAAGTCTTGGGCTGCTTCTCTTACTT
CACCTGGTTTATATCATGGCCAGCCCTTCTCCATCACCTCCAAGACTTATCCTCCTGATCTCACCAGT
GTCTTCATCTGGGAGACTCATGGCAGCCTATCCTTCTTCTTCTCATTCTCATATTGATCATGGGGATT
CCTAGGGTGAAGCAGACTTGTGAGAAGATCCTGTGGAAGACAGTGTGTCTCGGAGATGCTGGGGCCCA
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_018980

**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).

**OTI Annotation:** 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.

**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\\_018980.2](#)

**RefSeq Size:** 1150 bp

**RefSeq ORF:** 900 bp

<b>Locus ID:</b>	54429
<b>UniProt ID:</b>	<a href="#">Q9NYW4</a>
<b>Cytogenetics:</b>	7q34
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Taste transduction
<b>MW:</b>	34.5 kDa
<b>Gene Summary:</b>	<p>This gene encodes a bitter taste receptor; bitter taste receptors are members of the G protein-coupled receptor superfamily and are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless taste receptor genes encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes on chromosome 7 and is genetically linked to loci that influence bitter perception. [provided by RefSeq, Jul 2008]</p>