

## Product datasheet for **SC310705**

### TAS1R3 (NM\_152228) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAS1R3 (NM_152228) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS1R3
Synonyms:	T1R3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_152228 edited  
 ATGCTGGGCCCTGCTGTCTGGCCCTCAGCCTCTGGGCTCTCCTGCACCCTGGGACGGGG  
 GCCCCATTGTGCCTGTACAGCACTTAGGATGAAGGGGGACTACGTGCTGGGGGGGCTG  
 TTCCCCCTGGGCGAGGCCGAGGAGGCTGGCCTCCGCAGCCGGACACGGCCAGCAGCCCT  
 GTGTGCACCAGTTCTCCTCAAACGGCCTGCTCTGGGCACTGGCCATGAAAATGGCCGTG  
 GAGGAGATCAACAACAAGTCGGATCTGCTGCCCGGGCTGCGCCTGGGCTACGACCTTTT  
 GATACGTCTCGGAGCCTGTGGTGGCCATGAAGCCAGCCTCATGTTTCTGGCCAAGGCA  
 GGACGCCGACATCGCCGCTACTGCAACTACACGCAGTACCAGCCCCGTGTGCTGGCT  
 GTCATCGGGCCCCACTCGTCAGAGCTCGCCATGGTCACCGGCAAGTTCTTTCAGCTTCTTC  
 CTCATGCCCCAGGTCAGCTACGGTGTAGCATGGAGCTGCTGAGCGCCCGGAGACCTTC  
 CCCTCCTTCTTCCGACCCGTGCCAGCGACCGTGTGCAGCTGACGGCCGCGGGAGCTG  
 CTGCAGGAGTTCGGCTGGAACCTGGGTGGCCGCCCTGGGCAGCGACGACGAGTACGGCCGG  
 CAGGGCCTGAGCATCTTCTGGCCCTGGCCGCGCACGCGCATCTGCATCGCGCACGAG  
 GGCTGGTGCCGCTGCCCGTGGCGATGACTCGCGGCTGGGAAGGTGCAGGACGTCCTG  
 CACCAGGTGAACCAGAGCAGCGTGCAGGTGGTGTGCTGTTTCGCCTCCGTGCACGCCGCC  
 CAGCCCTCTTCAACTACAGCATCAGCAGCAGGCTCTCGCCAAGGTGTGGGTGGCCAGC  
 GAGGCCTGGCTGACCTCTGACCTGGTTCATGGGGTGCCTGGCCATGGCCAGATGGGCACG  
 GTGCTTGGCTTCTCCAGAGGGGTGCCAGCTGCACGAGTTCCCCAGTACGTGAAGACG  
 CACCTGGCCCTGGCCACCGACCCGGCCTTCTGCTCTGCCCTGGGCGAGAGGGAGCAGGGT  
 CTGGAGGAGGACGTGGTGGGCCAGCGCTGCCCGCAGTGTGACTGCATCACGCTGCAGAAC  
 GTGAGCGCAGGGCTAAATCACCACCAGACGTTCTCTGTCTACGCAGCTGTGTATAGCGTG  
 GCCCAGGCCCTGCACAACACTCTTCAGTCAACGCCTCAGGCTGCCCGCGCAGGACCCC  
 GTGAAGCCCTGGCAGCTCCTGGAGAACATGTACAACCTGACCTTCCACGTGGGCGGGCTG  
 CCGCTGCGGTTCGACAGCAGCGAAACGTGGACATGGAGTACGACCTGAAGCTGTGGGTG  
 TGGCAGGGCTCAGTGCCAGGCTCCACGACGTGGCAGGTTCAACGGCAGCCTCAGGACA  
 GAGCGCTGAAGATCCGCTGGCACACGTCTGACAACCAGAAGCCCGTGTCCCGGTGCTCG  
 CGGCAGTGCCAGGAGGGCCAGGTGCGCCGGGTCAAGGGTTTCCACTCCTGCTGCTACGAC  
 TGTGTGGACTGCGAGGCGGGCAGCTACCGGCAAAACCCAGACGACATCGCCTGCACCTTT  
 TGTGGCCAGGATGAGTGGTCCCCGGAGCGAAGCACACGCTGCTTCCGCCGAGGTCTCGG  
 TTCTGGCATGGGCGAGCCGGTGTGCTGCTGCTGCTCTGCTGCTGAGCCTGGCGCTG  
 GGCTTGTGCTGGCTGCTTGGGGCTGTTGTTACCATCGGGACAGCCACTGGTTCAG  
 GCCTCGGGGGGGCCCTGGCCTGCTTGGCCTGGTGTGCCTGGCCTGGTCTGCCTCAGC  
 GTCCTCCTGTTCCCTGGCCAGCCAGCCCTGCCGATGCCTGGCCAGCAGCCCTTGTCC  
 CACCTCCCCTCACGGGCTGCCTGAGCACACTTCTCCTGCAGGCGGCCGAGATCTTCGTG  
 GAGTCAGAACTGCCTCTGAGCTGGGCGAGCCGGCTGAGTGGTGCCTGCGGGGGCCCTGG  
 GCCTGGCTGGTGGTGTGCTGGCCATGTGGTGGAGGTGCGCACTGTGCACCTGGTACCTG  
 GTGGCCTTCCCGCCGAGGTGGTACGGACTGGCACATGCTGCCACGGAGGCGCTGGTG  
 CACTGCCGACACGCTCCTGGGTGAGTTCGGCCTAGCGCACGCCACCAATGCCACGCTG  
 GCCTTTCTGCTTCTGGGCACTTTCTGGTGGGAGCCAGCCGGGCGCTACAACCGT  
 GCCCGTGGCCTACCTTTGCCATGCTGGCCTACTTCATACCTGGGTCTCCTTTGTGCC  
 CTCTGGCCAATGTGCAGGTGGTCTCAGGCCCGCGTGCAGATGGGCGCCCTCCTGCTC  
 TGTGCTCTGGGCATCCTGGCTGCCTTCCACCTGCCAGGTGTACCTGCTCATGCGGCAG  
 CCAGGGCTCAACACCCCGAGTTCTTCTGGGAGGGGGCCCTGGGGATGCCCAAGGCCAG  
 AATGACGGGAACACAGGAAATCAGGGGAAACATGAGTGA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_152228  
**Insert Size:** 2600 bp

<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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_152228.1</a></u> , <u><a href="#">NP_689414.1</a></u>
<b>RefSeq Size:</b>	2559 bp
<b>RefSeq ORF:</b>	2559 bp
<b>Locus ID:</b>	83756
<b>UniProt ID:</b>	<u><a href="#">Q7RTX0</a></u>
<b>Cytogenetics:</b>	1p36.33
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Taste transduction
<b>Gene Summary:</b>	The protein encoded by this gene is a G-protein coupled receptor involved in taste responses. The encoded protein can form a heterodimeric receptor with TAS1R1 to elicit the umami taste response, or it can bind with TAS1R2 to form a receptor for the sweet taste response. [provided by RefSeq, Nov 2015]