

Product datasheet for **SC306354**

TAS1R2 (NM_152232) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAS1R2 (NM_152232) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS1R2
Synonyms:	GPR71; T1R2; TR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_152232 edited
 ATGGGGCCAGGGCAAAGACCATCTGCTCCCTGTTCTTCCTCCTATGGGTCTGGCTGAG
 CCGGCTGAGAACTCGGACTTCTACCTGCCTGGGATTACCTCCTGGGTGGCCTTCTCTCC
 CTCCATGCCAACATGAAGGGCATTGTTACCTTAACTTCTGCAGGTGCCCATGTGCAAG
 GAGTATGAAGTGAAGGTGATAGGCTACAACCTCATGCAGGCCATGCGCTTCGCGGTGGAG
 GAGATCAACAATGACAGCAGCCTGCCTGGTGTGCTGCTGGGCTATGAGATCGTGGAT
 GTGTGCTACATCTCCAACAATGTCCAGCCGGTCTACTTCTGCACACGAGGACAAC
 CTCTTCCCATCCAAGAGGACTACAGTAACTACATTTCCCGTGTGGTGGCTGTCATTGGC
 CCTGACAACCTCCGAGTCTGTCATGACTGTGCCAACTTCTCTCCTATTTCTCCTTCCA
 CAGATCACCTACAGCGCCATCAGCGATGAGCTGCGAGACAAGGTGCGCTTCCCGGCTTTG
 CTGCGTACCACACCCAGCGCCGACCACCACGTGAGGCCATGGTGCAGCTGATGCTGCAC
 TTCCGCTGGAACGGATCATTGTGCTGGTGAAGCAGCAGCCTATGGCCGCGACAATGGC
 CAGCTGCTTGGCAGCGCTGGCCGGCGGACATCTGCATCGCCTTCCAGGAGACGCTG
 CCCACACTGCAGCCAACGAGAATGACGTGAGAGGAGCGCCAGCGCCTGGTGACCATT
 GTGGACAAGTGCAGCAGAGCACAGCGCGCTGCTGGTGTGTTCTCGCCGACCTGACC
 CTGTACCACTTCTCAATGAGGTGCTGCGCCAGAACTTACGGGGCGCCGTGGATCGCC
 TCCGAGTCTGGGCCATCGACCCGGTCTGCACAACCTCACGGAGCTGGGCCACTTGGGC
 ACCTTCTGGGCATCACCATCCAGAGCGTGCCCATCCCGGGCTTCAAGTGTCCGCGAG
 TGGGGCCACAGGCTGGCCGCCACCCCTCAGCAGGACCAGCCAGAGCTATACCTGCAAC
 CAGGAGTGCACAACCTGCCTGAACGCCACCTTGTCTTCAACACCATTCTCAGGCTCTCT
 GGGGAGCGTGTGCTACAGCGTGTACTCTGCGGTCTATGCTGTGGCCATGCCCTGCAC
 AGCCTCTCGGCTGTGACAAAAGCACCTGCACCAAGAGGGTGGTCTACCCCTGGCAGCTG
 CTTGAGGAGACTGGAAGGTCAACTTCACTCTCCTGGACCACCAATCTTCTTCGACCCG
 CAAGGGGACGTGGCTCTGCACTTGGAGATTGTCCAGTGGCAATGGGACCGGAGCCAGAAT
 CCCTTCCAGAGCGTGCCTCCTACTACCCCTGCAGCGACAGCTGAAGAATCCAAAGAC
 ATCTCCTGGCACACCGTCAACAACACGATCCCTATGTCCATGTGTTCCAAGAGGTGCCAG
 TCAGGGCAAAAAGAAGAAGCCTGTGGGCATCCACGTCTGCTGCTTCCGAGTGCATCGACTGC
 CTTCCCGCACCTTCTCAACCACACTGAAGATGAATATGAATGCCAGGCCTGCCCGAAT
 AACGAGTGGTCTACCAGAGTGAACCTCTGCTTCAAGCGCAGCTGGTCTTCTCGAA
 TGGCATGAGGCACCCACCATCGCTGTGGCCCTGCTGGCCGCCCTGGGCTTCTCAGCACC
 CTGGCCATCCTGGTGATATTCTGGAGGCACTTCCAGACACCCATAGTTGCTCGGCTGGG
 GGCCCATGTGCTTCTGATGCTGACACTGCTGCTGGTGGCATACATGGTGGTCCCGGTG
 TACGTGGGGCCGCCAAGGTCTCCACCTGCCTCTGCCGCCAGGCCCTTTTCCCCTCTGC
 TTCACAATTTGCATCTCCTGTATCGCCGTGCGTCTTTCCAGATCGTCTGCGCCTTCAAG
 ATGGCCAGCCGCTTCCCACGCGCTACAGCTACTGGGTCCGCTACCAGGGGCCCTACGTC
 TCTATGGCATTATCACGGTACTCAAAATGGTCATTGTGGTAATTGGCATGCTGGCCACG
 GGCCTCAGTCCCACCACCCGACTGACCCCGATGACCCCAAGATCACAATGTCTCCTGT
 AACCCCAACTACCGCAACAGCCTGCTGTTCAACACCAGCCTGGACCTGCTGCTCAGTG
 GTGGGTTTCAGCTTCGCCTACATGGGCAAGAGCTGCCCACTACAACGAGGCCAAG
 TTCATCACCTCAGCATGACCTTCTATTTACCTCATCCGTCTCCCTCTGCACCTTCATG
 TCTGCCTACAGCGGGTCTGGTCAACATCGTGGACCTTTGGTCACTGTGCTCAACCTC
 CTGGCCATCAGCCTGGGCTACTTCGGCCCAAGTGTACATGATCCTTCTTACCCGGAG
 CGCAACACGCCCGCTACTTCAACAGCATGATCCAGGGCTACACCATGAGGAGGGACTAG
 CTCGA

Restriction Sites: Please inquire
ACCN: NM_152232
Insert Size: 2500 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 be a perfect match to 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:	<ol style="list-style-type: none">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:	<u>NM_152232.1, NP_689418.1</u>
RefSeq Size:	2521 bp
RefSeq ORF:	2520 bp
Locus ID:	80834
UniProt ID:	<u>Q8TE23</u>
Cytogenetics:	1p36.13
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Taste transduction
Gene Summary:	Putative taste receptor. TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners. [UniProtKB/Swiss-Prot Function]