

Product datasheet for **SC106975**

TAS2R43 (NM_176884) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R43 (NM_176884) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R43
Synonyms:	T2R43; T2R52
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC106975 sequence for NM_176884 edited (data generated by NextGen Sequencing)

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ATGATAACTTTTCTACCCATCATTTTTTCCAGTCTGGTAGTGGTTACATTGTTATTGGA
AATTTTGCTAATGGCTTCATAGCACTGGTAAATCCATTGAGTGGTTCAAGAGACAAAAG
ATCTCCTTTGCTGACCAATTCTCACTGCTCTGGCGGTCTCCAGAGTTGGTTTGCTCTGG
GTATTATTATAAACTGGTATTCAACTGTGTTGAATCCAGCTTTTAAAGTGTAGAAGTA
AGA AACTACTGCTATAATATCTGGGCAGTGATCAACCATTTCCAGCAACTGGCTTGCTACT
ACCCTCAGCATATTTTATTTGCTCAAGATTGCCAATTTCTCCAACCTTTATTTTCTTCAC
TTAAAGAGGAGAGTTAAGAGTGCATTCTGGTGATGTTGTTGGGGCCTTTGCTATTTTTG
GCTTGTCATCTTTTTGTGATAAACATGAATGAGATTGTGCGGACAAAAGAATTTGAAGGA
AACATGACTTGGAAGATCAAATGAAGAGTGCAATGTACTTTTCAAATATGACTGTAACC
ATGGTAGCAAACCTTAGTACCCTTCACTCTGACCCTACTATCTTTTATGCTGTTAATCTGT
TCTTTGTGTAACATCTCAAGAAGATGCAGCTCCATGGTAAAGGATCTCAAGATCCCAGC
ACCAAGGTCCACATAAAAGCTTTGCAAACCTGTGATCTCCTTCTCTTGTATGTGCCATT
TACTTTCTGTCCATAATGATATCAGTTTGGAGTTTGGAGTCTGGAAAACAAACCTGTC
TTCATGTTCTGCAAAGCTATTAGATTCAGCTATCCTTCAATCCACCCATTCATCCTGATT
TGGGGAACAAGAAGCTAAAGCAGACTTTTCTTTTCAGTTTTTTGGCAAATGAGGTACTGG
GTGAAAAGGAGAGAAGACTTCATCTCCATAG
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Clone variation with respect to NM_176884.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_176884 unedited TTACCCCCCGCCGTTGCCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGC AGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCG AATTCGGCAGCAGGGGGGATTGTAAAATGCACCAATCAGCGCACTGTAAAACCACAGCAA TCAGCGCTCTGTAGCTAGCAAGAGGATTGTAAAATGCACCAATCGCTCTAAAATACACCA AGCAACAGGATCCTAAAAGTAGCCAGTCGGAGGGAGGATTGATAAAAGGGCACTGTGATA GGACAAAAAAGGAAAATGGGAGGGGACAATAAGGGAATAAAAGCTCATGGCTTCAGCCA GCCGCGCAACCTACCTGGGTTGCCTTTCACTCTGTGGAAGCTTTGCCTTTCTCTCTTC TCAATAAACCTTGCTGTTGCTCACTCTTTGGGTCCACACCATCTTAAAGAGCAGCAACAC TCAACGTGAAGGTCAGTGGCTCCCTTTTGAAGTCAGCGAGACCACGAACCCACCTGCAGG AACCAATTCGGACACAACACCAGCATTTAAAAAATTTTTTTTGTCTGTTGAGACATGA TAACCTTTCTACCCATCATTTTTCCAGTCTGGTAGTGGTTACATTTGTTATTGGAATTT TTGCTAATGGCTTCATAGCACTGGTAAATTCATTGAGTGGTTCAAGAGACANAAGATCT CCTTTGCTGACCAAATTTCTCACTGCTCTGGCGGTCTCCAGAGNTGGTTTGTCTGGGTAT TATTATTAACCTGGTATCCAAGTGTGTTGAATCCAGCTTTTAATAGTGTAGAAGTAAAGA CTACTGGCTACTATATCTGGGCAGTGATCAACCATTTTCAGAACTGGCTTGCTACTACCT CACATATTTTATTGCTCAAGATTGCCAATTCTCCACCTATTTTCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_176884
Insert Size:	6000 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).
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:	NM_176884.1 , NP_795365.1
RefSeq Size:	930 bp
RefSeq ORF:	930 bp
Locus ID:	259289
UniProt ID:	P59537
Cytogenetics:	12p13.2
Protein Pathways:	Taste transduction

Gene Summary:

TAS2R43 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, Mar 2009]