

Product datasheet for **SC307083**

TAS2R49 (TAS2R20) (NM_176889) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R49 (TAS2R20) (NM_176889) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R20
Synonyms:	T2R20; T2R49; T2R56; TAS2R49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307083 representing NM_176889. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGATGAGTTTTCTACACATTGTTTTTCCATTCTAGTAGTGGTGCATTTATTCTTGAAATTTTGGC
AATGGCTTTATAGCACTGATAAATTTTCATTGCCTGGGTCAAGAGACAAAAGATCTCCTCAGCTGATCAA
ATTATTGCTGCTCTGGCAGTCTCCAGAGTTGGTTTGTCTGGGTAATATTATTACATTGGTATTCAACT
GTGTTGAATCCAACCTTCACTAATTTAAAAGTAATAATTTTTATTCTAATGCCTGGGCAGTAACCAAT
CATTTCCAGCATCTGGCTTGCTACTAGCCTCAGCATATTTTATTTGCTCAAGATCGTCAATTTCTCCAGA
CTTATTTTTCATCACTTAAAAAGGAAGGCTAAGAGTGTAGTTCTGGTGATAGTGTGGGGCTTTTGTTT
TTTTTGGTTTGTACCTTGTGATGAAACACACGTATATAAATGTGTGGACAGAAGAATGTGAAGGAAAC
GTAAC TTGGAAGATCAAACCTGAGGAATGCAATGCACCTTTCCAAC TTGACTGTAGCCATGCTAGCAAAC
TTGATACCATTCACTCTGACCCTGATATCTTTTCTGCTGTTAATCTACTCTCTGTGTAACATCTGAAG
AAGATGCAGCTCCATGGCAAAGGATCTCAAGATCCCAGCACCAAGATCCACATAAAAGCTCTGCAAAC
GTGACCTCCTTCCTCATATTACTTGCCATTTACTTTCTGTGTCTAATCATATCGTTTTGGAATTTTAAG
ATGCGACAAAAGAAATGTCTTAATGCTTTGCCAAGCTTTTGGAAATCATATCCATCATTCCACTCA
TTCACTTCTGATTTGGGGGAACAAGACGCTAAAGCAGACCTTTCTTTCAGTTTTGTGGCAGGTGACTTGC
TGGGCAAAGGCAGAACCACTCACTCACTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_176889



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Insert Size:	930 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:	<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_176889.3
RefSeq Size:	2343 bp
RefSeq ORF:	930 bp
Locus ID:	259295
UniProt ID:	P59543
Cytogenetics:	12p13.2
Protein Families:	Transmembrane
Protein Pathways:	Taste transduction
MW:	35.4 kDa
Gene Summary:	This gene encodes a member of the taste receptor two family of class C G-protein coupled receptors. Receptors of this family have a short extracellular N-terminus, seven transmembrane helices, three extracellular loops and three intracellular loops, and an intracellular C-terminus. Members of this family are expressed in a subset of taste receptor cells, where they function in bitter taste reception, as well as in non-gustatory cells including those of the brain, reproductive organs, respiratory system, and gastrointestinal system. This gene maps to the taste receptor gene cluster on chromosome 12p13. [provided by RefSeq, Jul 2016]