

Product datasheet for SC307082

TAS2R48 (TAS2R19) (NM_176888) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R48 (TAS2R19) (NM_176888) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R19
Synonyms:	MSTP058; T2R19; T2R23; T2R48; TAS2R23; TAS2R48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307082 representing NM_176888. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGATGTGTTTTCTGCTCATCATTTTCATCAATTCGGTAGTGTTGCATTTGTTCTTGGAATGTTGCC
AATGGCTTCATAGCCCTAGTAAATGTCATTGACTGGGTTAACACACGAAAGATCTCCTCAGCTGAGCAA
ATTCTCACTGCTCTGGTGGTCTCCAGAATTGGTTACTCTGGGTCATGTTATTCCTTTGGTATGCAACT
GTGTTTAATTCTGCTTTATATGGTTTAGAAGTAAGAATTGTTGCTTCTAATGCCTGGGCTGTAACGAAC
CATTTCAAGCATGGCTTGCTGCTAGCCTCAGCATATTTGTTTGCTCAAGATTGCCAATTTCTCCAAC
CTTATTTCTCTCCACCTAAAGAAGAGAATTAAGAGTGTTGTTCTGGTGACTGTTGGGGCCCTTGTA
TTTCTGATTTGTAATCTTGCTGTGATAACCATGGATGAGAGAGTGTGGACAAAAGAATATGAAGGAAT
GTGACTTGAAGATCAAATGAGGAATGCAATACACCTTTCAAGCTTGACTGTAACACTACTAGCAAAC
CTCATACCTTTACTCTGAGCCTAATATGTTTTCTGCTGTTAATCTGTTCTCTTTGTAACATCTCAAG
AAGATGCGGCTCCATAGCAAAGGATCTCAAGATCCCAGCACCAAGGTCCATATAAAAGCTTTGCAAAC
GTGACCTCCTTCCTCATGTTATTTGCCATTTACTTTCTGTGTATAATCACATCAACTTGGAACTTAGG
ACACAGCAGAGCAAACCTGTACTCCTGCTTTGCCAAACTGTTGCAATCATGTATCCTTCATTCCACTCA
TTCATCCTGATTATGGGAAGTAGGAAGCTAAAACAGACCTTTCTTTCAGTTTTGTGGCAGATGACACGC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_176888



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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:	<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_176888.2
RefSeq Size:	1002 bp
RefSeq ORF:	900 bp
Locus ID:	259294
UniProt ID:	P59542
Cytogenetics:	12p13.2
Protein Families:	Transmembrane
Protein Pathways:	Taste transduction
MW:	33.9 kDa
Gene Summary:	Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5 (By similarity).[UniProtKB/Swiss-Prot Function]