

Product datasheet for **SC304456**

TAS2R16 (NM_016945) Human Untagged Clone

Product data:

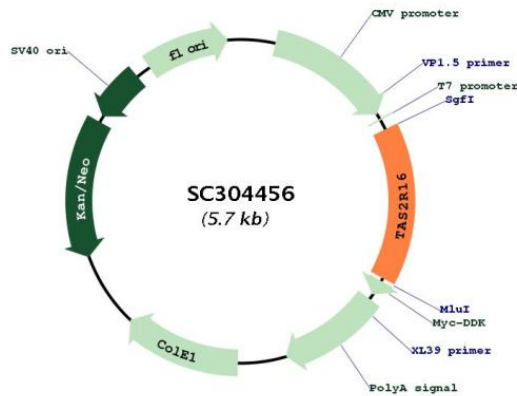
Product Type:	Expression Plasmids
Product Name:	TAS2R16 (NM_016945) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R16
Synonyms:	BGLPT; T2R16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304456 representing NM_016945. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGATACCCATCCAACTCACTGTCTTCTTCATGATCATCTATGTGCTTGAGTCCTTGACAATTATTGTG
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AGAAACAGCACTGTAAC TGACAACTTGAAAATTTTCATCAGTATCAGTTC CAGGCTCATACAGTTGCA
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GTCTTATTTATTGTGTTACCTTACTTTCTAACCATACTCATCACCATTATAGTACTCTATTTGAT
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ATGCTGAGCAGCCCTACGTTGAAAAGGATTCTAAAGGAAAGTGC TAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_016945

Insert Size: 876 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:

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_016945.2](#)

RefSeq Size: 996 bp

RefSeq ORF: 876 bp

Locus ID:	50833
UniProt ID:	Q9NYV7
Cytogenetics:	7q31
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Taste transduction
MW:	34 kDa
Gene Summary:	<p>This gene encodes a member of a family of candidate taste receptors that are members of the G protein-coupled receptor superfamily. These family members are specifically expressed by taste receptor cells of the tongue and palate epithelia. Each of these apparently intronless genes encodes a 7-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered with another 3 candidate taste receptor genes in chromosome 7 and is genetically linked to loci that influence bitter perception. [provided by RefSeq, Jul 2008]</p>