OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC307078

TAS2R40 (NM_176882) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R40 (NM_176882) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAS2R40
Synonyms:	GPR60; T2R40; T2R58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307078 representing NM_176882. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCAACGGTGAACACAGATGCCACAGATAAAGACATATCCAAGTTCAAGGTCACCTTCACTTTGGTG GTCTCCGGAATAGAGTGCATCACTGGCATCCTTGGGAGTGGCTTCATCACGGCCATCTATGGGGCTGAG TGGGCCAGGGGCAAAACACTCCCCACTGGTGACCGCATTATGTTGATGCTGAGCTTTTCCAGGCTCTTG CTACAGATTTGGATGATGCTGGAGAACATTTTCAGTCTGCTATTCCGAATTGTTTATAACCAAAACTCA GTGTATATCCTCTTCAAAGTCATCACTGTCTTTCTGAACCATTCCAATCTCTGGTTTGCTGCCTGGCTC AAAGTCTTCTATTGTCTTAGAATTGCAAACTTCAATCATCCTTTGTTCTTCCTGATGAAGAGGAAAATC ATAGTGCTGATGCCTTGGCTTCTCAGGCTGTCAGTGTTGGTTTCCTTAAGCTTCAGCTTTCCTCTCTCG AGAGATGTCTTCAATGTGTATGTGAATAGCTCCATTCCTATCCCCTCCTCCAACTCCACGGAGAAGAAG TACTTCTCTGAGACCAATATGGTCAACCTGGTATTTTTCTATAACATGGGGATCTTCGTTCCTCTGATC ATGTTCATCCTGGCAGCCACCCTGCTGATCCTCTCTCTCAAGAGACACACCCTACACATGGGAAGCAAT GCCACAGGGTCCAGGGACCCCAGCATGAAGGCTCACATAGGGGCCATCAAAGCCACCAGCTACTTTCTC ATCCTCTACATTTTCAATGCAATTGCTCTATTTCTTTCCACGTCCAACATCTTTGACACTTACAGTTCC TGGAATATTTTGTGCAAGATCATCATGGCTGCCTACCCTGCCGGCCACTCAGTACAACTGATCTTGGGC AACCCTGGGCTGAGAAGAGCCTGGAAGCGGTTTCAGCACCAAGTTCCTCTTTACCTAAAAGGGCAGACT CTGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
Plasmid Map:	
ACCN:	NM_176882

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Insert Size:	972 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_176882.1
RefSeq Size:	972 bp
RefSeq ORF:	972 bp
Locus ID:	259286
UniProt ID:	P59535
Cytogenetics:	7q34
Protein Pathways:	Taste transduction
MW:	36.8 kDa
Gene Summary:	This gene encodes a member of the bitter taste receptor family which belong to the G protein-coupled receptor superfamily and are predominantly expressed in taste receptor cells of the tongue and palate epithelia. This intronless taste receptor gene encodes a seven-transmembrane receptor protein, functioning as a bitter taste receptor. This gene is clustered together with eight other taste receptor genes on chromosome 7. A decrease in the expression of this gene is associated with hypogeusia. [provided by RefSeq, Jul 2017]