

## Product datasheet for **SC201913**

### TAS1R1 (NM\_177540) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	TAS1R1 (NM_177540) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TAS1R1
Synonyms:	GM148; GPR70; T1R1; TR1
ACCN:	NM_177540
Insert Size:	201 bp
Insert Sequence:	>SC201913 3'UTR clone of NM_177540 The sequence shown below is from the reference sequence of NM_177540. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GACTACACGAGGCGCTGCGGCTCCACCTGACCAGTGGGTGTCAGCAGGCACGGCTGGCAGCCTTCTCTGCC CTGAGGGTGAAGGTCGAGCAGGCCGGGGTGTCCGGGAGGTCTTTGGGCATCGCGGTCTGGGGTTGGG ACGTGTAAGCGCCTGGGAGAGCCTAGACCAGGCTCCGGGCTGCCAATAAAGAAAGTAAAATGCG <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<a href="#">NM_177540.3</a>



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**Summary:** The protein encoded by this gene is a G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1+3. The T1R1+3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1+3, and this activation is strictly dependent on an intact T1R1+3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

**Locus ID:** 80835

**MW:** 7