

Product datasheet for **RG213668**

TAS2R13 (NM_023920) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R13 (NM_023920) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TAS2R13
Synonyms:	T2R13; TRB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213668 representing NM_023920 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAGTGCCTGCCGAGTACTTCACTCTTGTAAATAATTGCAGAATTCATAATTGGGAATTTGAGCA
ATGGATTTATAGTACTGATCAACTGCATTGACTGGGTGAGTAAAAGAGAGCTGTCCTCAGTCGATAAACT
CCTCATTATCTTGCAATCTCCAGAATTGGGCTGATCTGGGAAATATTAGTAAGTTGGTTTTAGCTCTG
CATTATCTAGCCATATTTGTGTCTGGAACAGGATTAAGAATTATGATTTTTAGCTGGATAGTTTCTAATC
ACTTCAATCTCTGGCTTGTACAATCTCAGCATCTTTATTTGCTCAAATAGCGAGTTTCTCTAGCCC
TGCTTTTCTCTATTTGAAGTGGAGAGTAAACAAAGTGATTCTGATGATACTGCTAGGAACCTTGGTCTTC
TTATTTTTAAATCTGATACAAATAAACATGCATATAAAAGACTGGCTGGACCGATATGAAAGAAACACAA
CTTGGAATTTGAGTATGAGTACTTTGAAACATTTTCACTGTCGGTCAAATTCACATGACTATGTTTCAG
TCTAACACCAATTAAGTGGCCTTCATCTTTTCTCCTGTTAATTTTCTCCCTGCAGAAACATCTCCAG
AAAATGCAACTCAATTACAAAGGACACAGAGACCCAGGACCAAGGTCCATACAAATGCCTTGAAATTTG
TGATCTCATTCTTTTATTCTATGCTAGTTTCTTCTATGTGTTCTCATATCATGGATTTCCGAGCTGTA
TCAGAGCACAGTATCATGCTTTGTGAGACGATTGGAGTCTTCTCTCCTTCAAGCCACTCCTTTCTT
CTGATTCTAGGAAACGCTAAGTTAAGACAGGCCCTTTCTTTTGGTGGCAGCTAAGGTATGGGCTAAACGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG213668 representing NM_023920
Red=Cloning site Green=Tags(s)

MESALPSIFTLVIAEFIIIGNLSNGFIVLINCIDWVSKRELSVVDKLLIILAIISRIGLIWEILVSWFLAL
 HYLAI FVSGTGLRIMIFSWIVSNHFNWLATIFSI FYLLKIASFSSPAFLYLKWRVNVILMILLGTLVF
 LFLNLIQINMHKDWLDRYERNTTWNFMSDFETF SVSVKFTMTMFSLTPFTVAFISFLLIFSLQKHLQ
 KMQLNYKGRDPRTKVHTNALKIVISFLLFYASFFLCVLI SWISELYQSTVIYMLCETIGVFPSSHSFL
 LILGNAKLRQAFLLVAAKVWAKR

TRTRPLE - GFP Tag - V

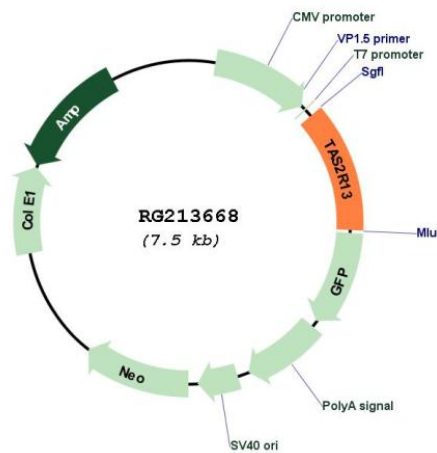
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_023920

ORF Size: 909 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_023920.2 , NP_076409.1
RefSeq Size:	1637 bp
RefSeq ORF:	912 bp
Locus ID:	50838
UniProt ID:	Q9NYV9
Cytogenetics:	12p13.2
Protein Families:	Transmembrane
Protein Pathways:	Taste transduction
Gene Summary:	This gene product belongs to the family of candidate taste receptors that are members of the G-protein-coupled receptor superfamily. These proteins are specifically expressed in the taste receptor cells of the tongue and palate epithelia. They are organized in the genome in clusters and are genetically linked to loci that influence bitter perception in mice and humans. In functional expression studies, they respond to bitter tastants. This gene maps to the taste receptor gene cluster on chromosome 12p13. [provided by RefSeq, Jul 2008]