

## Product datasheet for **RG222067**

### **TAS2R60 (NM\_177437) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAS2R60 (NM_177437) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TAS2R60
Synonyms:	T2R56; T2R60
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222067 representing NM_177437 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGGAGACCACATGGTTCTAGGATCTTCGGTGACTGACAAGAAGGCCATCATCTTGGTTACCATTT  
TACTCCTTTTACGCCTGGTAGCAATAGCAGGCAATGGCTTCATCACTGCTGCTCTGGCGTGGAGTGGGT  
GCTACGGAGAATGTTGTTGCCTTGTGATAAGTTATTGGTTAGCCTAGGGCCTCTCGTTCTGTCTGCAG  
TCAGTGGTAATGGTAAGACCATTTATGTTTTCTGCATCCGATGGCCTCCCATACAACCCTGTACTGC  
AGTTTCTAGCTTCCAGTGGGACTTCTGAATGCTGCCACCTTATGGTCTCTACCTGGCTCAGTGTCTT  
CTATTGTGTGAAAATTGCTACCTTCACCCACCCTGCTTCTTCTGGCTAAAGCACAAAGTTGTCTGGGTGG  
CTACCATGGATGCTCTTCAGCTCTGTAGGGCTCTCCAGCTTCACCACCATTCTATTTTTCATAGGCAACC  
ACAGAAATGTATCAGAACTATTTAAGGAACCATCTACAACCTTGAATGTCACTGGCGATAGCATACGGAG  
CTACTGTGAGAAATTCTATCTCTCCCTCTAAAAATGATTACTTGGACAATGCCCACTGCTGCTTTTTTC  
ATTTGCATGATTTTGTCTCATCACATCTCTGGGAAGACACAGGAAGAAGGCTCTCCTTACAACCTCAGGAT  
TCCGAGAGCCAGTGTGCAGGCACACATAAAGGCTCTGCTGGCTCTCCTCTCTTTTGCCATGCTCTTCAT  
CTCATATTTCTGTCACTGGTGTTCAGTGTGCAGGATATTTTCCACCTTGACTTTAAATTCTGGGTG  
TGGGAGTCAGTGATTTATCTGTGTGCAGCAGTTCACCCATCATCTGCTCTTCAGCAACTGCAGGCTGA  
GAGCTGTGCTGAAGAGTCTCGTTCCCTCAAGGTGTGGACACCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG222067 representing NM\_177437  
 Red=Cloning site Green=Tags(s)

MNGDHMVLGSSVTDKKA IILVTILL LRLVAIAGNGFITAALGV EWLRRMLLP CDKLLVSLGASRFCLQ  
 SVVMGKTIYVFLHPMAFPYNPV LQFLAFQWDFLNAATLWSTWLSVFYCVKIATFTHPVFVWLKHKLSGW  
 LPWMLFSSVGLSSFTTILFFIGNHRMYQNYLRNHLQPWNVTGDSIRSYCEKFYLFPLKMITWTMPTAVFF  
 ICMILLITSLGRHRKKALLTTSGFREPSVQAHIKALLLSFAMLFISYFLSLVFS AAGIFPPLDFKFWW  
 WESVIYLCAAVHP IILLFSNCR LRAVLKSRSSRCGTP

TRTRPLE - GFP Tag - V

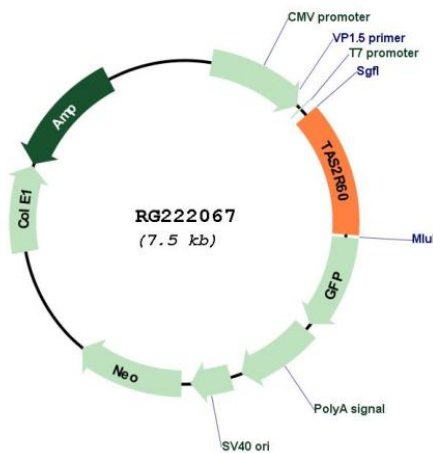
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_177437

**ORF Size:** 954 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_177437.1</a> , <a href="#">NP_803186.1</a>
<b>RefSeq Size:</b>	957 bp
<b>RefSeq ORF:</b>	957 bp
<b>Locus ID:</b>	338398
<b>UniProt ID:</b>	<a href="#">P59551</a>
<b>Cytogenetics:</b>	7q35
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Taste transduction
<b>Gene Summary:</b>	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. [provided by RefSeq, Jul 2017]