

## Product datasheet for **MC222012**

### Tas1r2 (NM\_031873) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tas1r2 (NM_031873) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tas1r2
Synonyms:	Gpr71; T1r2; TR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222012 representing NM\_031873  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGACCCAGGCGAGGACACTCCATTTGCTGTTTCTCCTGCTGCATGCTCTGCCTAAGCCAGTCAATGC  
 TGGTAGGGAACCTCGACTTTACCTGGCTGGGGACTACCTCCTGGGTGGCCTCTTTACCCTCCATGCCAA  
 CGTGAAGAGCGTCTCTCACCTCAGCTACCTGCAGGTGCCAAGTGAATGAGTACAACATGAAGGCTTG  
 GGCTACAACCTCATGCAGGCCATGCGATTGCGCGTGGAGGAAATCAACAAGTGTAGCTCTCTGCTGCCCG  
 GCGTGCTGCTCGGCTACGAGATGGTGGATGTCTGCTACCTCTCCAACAATATCCAGCCTGGGCTCTACTT  
 CCTGTCACAGATAGATGACTTCTGCCATCCTCAAAGACTACAGCCAGTACAGGCCCAAGTGGTGGCC  
 GTCATTGGCCAGACAAGTCTGAGTCCGCCATCACCGTGTCCAACATTCTCTCTACTTCTCTGTCGCCAC  
 AGGTCACATATAGCGCCATCACCGACAAGCTGCGAGACAAGCGGGCTTCCCTGCCATGCTGCGCACTGT  
 GCCAGCGCCACCCACCACATCGAGGCCATGGTGAAGTGTGGTTCACTCCAGTGGAACTGGATCGTG  
 GTGCTGGTGGCGATGACGATTATGGCCGAGAGAACAGCCACCTGCTGAGCCAGCGTCTGACCAACACTG  
 GCGATATCTGCATTGCCTTCCAGGAGGTTCTGCCTGTACCCAGAACCAACAGGCCGTGAGGCCCTGAGGA  
 GCAGGACCAACTGGACAACATCCTGGACAAGCTGCGGCGGACCTCGGCGCGTGTGGTGGTATTTCTCG  
 CCAGAGCTGAGCCTGCACAACCTTCTCCGCGAGGTGCTGCGCTGGAACCTCACAGGCTTTGTGTGGATTG  
 CCTCTGAGTCTGGGCCATCGACCTGTCTACACAACCTCACAGAGCTGCGCCACACGGGCACTTTCTT  
 GGGCGTACCATCCAGAGGGTGTCCATCCCTGGCTTACGCGAGTCCGAGTGGCCACGACAAGCCAGAG  
 TATCCCATGCCTAACGAGACCAGCCTGAGGACTACCTGTAAACAGGACTGTGACGCTGCATGAACATCA  
 CCGAGTCTTTAAACAAGTCTCATGCTTTCGGGGGAGCGTGTGGTCTACAGTGTGCTCGGCCGTCTA  
 CGCGGTAGCCACACCCCTCCACAGACTCCTCCACTGCAACCAGGTCCGCTGCACCAAGCAAAATCGTCTAT  
 CCATGGCAGCTACTCAGGAGATCTGGCATGTCAACTTACGCTCCTGGGCAACCAAGCTCTTCTTCGACG  
 AACAAAGGGACATGCCGATGCTCCTGGACATCATCCAGTGGCAATGGGGCCTGAGCCAGAACCCCTTCCA  
 AAGCATCGCCTCTACTCCCCACCGAGACGAGGCTGACCTACATTAGCAATGTGTCTGGTACACCCCC  
 AACAAACAGGTCCCATATCCATGTGTTCTAAGAGTGGCCAGCCTGGGCAAAATGAAAAAACCATAGGCC  
 TCCACCCGTGCTGCTTCGAGTGTGTGGACTGTCCGCGGGCACCTACCTCAACCGATCAGTAGATGAGTT  
 TAACTGTCTGCTCCTCCCGGTTCCATGTGGTCTTACAAGAACAACATCGCTTGCTTCAAGCGCGGCTG  
 GCCTTCTGGAGTGGCAGGAAGTCCCCTATCGTGGTACCATCCTGGCCGCCCTGGGCTTCATCAGTA  
 CGCTGGCATTCTGCTCATCTTCTGGAGACATTTCCAGACGCCCATGGTGCCTCGGCGGGCGGCCCAT  
 GTGCTTCTGATGCTGGTGGCCCTGCTGCTGGCGTTCGGGATGGTCCCGTGTATGTGGGCCCCCCCCACG  
 GTCTTCTCCTGTTTCTGCCGCCAGGCTTTCTTACCGTTTGTCTCCGTCTGCCTCTCCTGCATCACGG  
 TGCGCTCCTTCCAGATTGTGTGGTCTTCAAGATGGCCAGACGCTGCCAAGCGCCTACGGTTTCTGGAT  
 GCGTTACCACGGGCCCTACGTCTTTGTGGCCTTATCACGGCCGTCAAGGTGGCCCTGGTGGCAGGCAAC  
 ATGCTGGCCACCACCATCAACCCATTGGCCGGACCGACCCCGATGACCCCAATATCATAATCCTCTCCT  
 GCCACCCTAACTACCGCAACGGGCTACTTCAACACCAGCATGGACTTGTGCTGTCCGTGCTGGGTTT  
 CAGCTTCCGCTACGTGGGCAAGGAAGTGGCCACCAACTACAACGAAGCAAGTTTACACCTCAGCATG  
 ACCTTCTCCTTACCTCCTCCATCTCCCTCTGCAGTTCATGTCTGTCCAGATGGCGTGTGGTACCA  
 TCATGGATCTCCTGGTCACTGTGCTCAACTTTCTGGCCATCGGCTTGGGTACTTTGGCCCCAAGTGTTA  
 CATGATCCTTTTCTACCGGAGCGCAACACTTCAGCTTATTTCAATAGCATGATTCAGGGCTACACGATG  
 AGGAAGAGCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3059\\_b03.zip](https://cdn.origene.com/chromatograms/ja3059_b03.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031873

<b>Insert Size:</b>	2532 bp
<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_031873.1</a></u> , <u><a href="#">NP_114079.1</a></u>
<b>RefSeq Size:</b>	3060 bp
<b>RefSeq ORF:</b>	2532 bp
<b>Locus ID:</b>	83770
<b>UniProt ID:</b>	<u><a href="#">Q925I4</a></u>
<b>Cytogenetics:</b>	4 70.82 cM
<b>Gene Summary:</b>	Putative taste receptor. TAS1R2/TAS1R3 recognizes diverse natural and synthetic sweeteners. [UniProtKB/Swiss-Prot Function]