

## Product datasheet for **RN200628**

### **Tas1r3 (NM\_130818) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tas1r3 (NM_130818) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tas1r3
Synonyms:	T1r3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN200628 representing NM\_130818  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGGTGGCTATCTTGGGCTCAGTCTGGCTGCTTCTGAGCTGGGATGGGTCCTCTTTGT  
 GTCTGTACAGCAATTCAGGCACAAGGGGACTATATATTGGGTGGACTATTTCCCTGGGCACAACCTGA  
 GGAGGCCACTCTCAACCAGAGAACAAGCCCAACGGCATCCTATGTACCAGGTTCTCGCCCTTGGTTTG  
 TTCCTGGCCATGGCTATGAAGATGGCTGTAGAGGAGATCAACAATGGATCTGCCTTGGCTCCCTGGGCTGC  
 GACTGGGCTATGACCTGTTTACACATGCTCAGAGCCAGTGGTACCATGAAGCCAGCCTCATGTTTCAT  
 GGCCAAGTGGGAAGTCAAAGCATTGCTGCCTACTGCAACTACACACAGTACCAACCCCGTGTGCTGGCT  
 GTCATTGGTCCCACTCATCAGAGCTTGCCTCATTACAGGCAAGTTCCTCAGCTTCTCCTCATGCCAC  
 AGTCCAGCTATAGTCCAGCATGGATCGGCTAAGTGACCGGGAACATTTCCATCCTTCTCCGCACAGT  
 GCCAGTGACCGGTGCAGCTGCAGGCCGTTGTGACACTGTTGCAGAATTCAGCTGGAAGTGGGTCGCT  
 GCCTTAGGTAGTATGATGACTATGGCCGGAAGTCTGAGCATCTTTCTGGTCTGGCCAACTCAGAG  
 GTATCTGCATTGCACACGAGGGCCTGGTCCCAACATGACACTAGTGGCCAACAATTGGCAAGGTGGT  
 GGATGTGTACGCCAAGTGAACCAAGCAAAGTACAGGTGGTGGTGTGTTTGCATCTGCCCGTGTGCTGC  
 TACTCCCTTTTGTAGTACAGCATCCTTCATGACCTCTCACCAAGGTATGGGTGGCCAGTGTGCTGCTGGC  
 TGACCTCTGACCTGGTATGACACTTCCCAATATTGCCGTGTGGGCACTGTTCTTGGGTTTCTGCAGCG  
 CGGTGCCCTACTGCCTGAATTTCCCATATGTGGAGACTCGCCTTGGCTAGCTGTGACCAACATTC  
 TGTGCCCTCCGAAAGCTGAGTTGGATCTGGAGGAGCCGCTGATGGGCAAGCTGTTCAACAATGCAACT  
 ACATCATGCTACAGAACCTGTCATCTGGGCTGATGCAGAACCTATCAGCTGGGCAAGTGGCAACCAAT  
 ATTTGCAACCTATGCAGCTGTGTACAGTGTGGCTCAGGCCCTTCAACACCCTGCAGTGAATGTCTCA  
 CATTGCCACACATCAGAGCCTGTTCAACCTGGCAGCTCCTGGAGAATGTACAATATGAGTTTCCGTG  
 CTCGAGACTTGACACTGCAGTTTGTGCAAGGGAGTGTAGACATGGAATATGACCTGAAGATGTGGGT  
 GTGGCAGAGCCCTACACCTGTACTACATACTGTAGGCACCTTCAACGGCACCCCTCAGCTGCAGCACTCG  
 AAAATGTATTGGCCAGGCAACAGGTGCCAGTCTCCAGTGTCCCGCAGTGCAAAGATGGCCAGGTGC  
 GCAGAGTAAAGGGCTTTCATTCTGCTGTATGACTGTGTGGACTGCAAGGCAGGAGCTACCGGAAGCA  
 TCCAGATGACTTACCTGTACTCCATGTGGCAAGGATCAGTGGTCCCGAGAAAAAAGCACAACTGCTTA  
 CCTCGCAGGCCAAGTTTCTGGCTTGGGGGAGCCAGCTGTGCTGCTCCTCTGCTGCTTTGCCTGG  
 TGCTGGGCTGACACTGGCTGCCCTGGGCTCTTTGTCCACTACTGGGACAGCCCTTGTTCAGGCCTC  
 AGGTGGGTCACTGTTCTGCTTGGCCTGATCTGCCTAGGCCTCTTCTGCCTCAGTGTCTTCTGTTCCCA  
 GGACGACCACGCTCTGCCAGTGCCTTGGCCAAACAACCAATGGCTCACCTCCCTCTCACAGGCTGCCTGA  
 GCACACTTCTCTGCAAGCAGCCGAGATCTTTGTGGAGTCTGAGCTGCCACTGAGTTGGGCAAACTGGCT  
 CTGCAGTACCTCGGGGCCCTGGGCTGGCTGGTGGTACTGCTGGCACTCTTGTGGAGGCTGCACTA  
 TGTGCTGGTACTTGTATGGCTTCCCTCCAGAGGTGGTACAGATTGGCAGGTGCTGCCACGGAGGTAC  
 TGAACACTGCCGATGCGTTCTGGGTGAGCTGGGCTGGTGCACATACCAATGCAGTGTAGCTTT  
 CCTCTGCTTTCTGGGCACTTCTGCTGACAGAGCCAGCCTGGTGCCTATAACCGTGCCCGTGGCCTCACC  
 TTCGCCATGTAGCTTATTTATCATCTGGGTCTCTTTGTGCCCTCCTGGCTAATGTGACAGGTGGCCT  
 ACCAGCCAGTGTGCAGATGGGTGCTATCTTATTCTGTGCCCTGGGATCCTGGCCACCTTCCACCTGCC  
 CAAATGCTATGTACTTCTGTGGCTGCCAGAGCTCAACACCAGGAGTTCTTCTGGGAAGGAGCCCCAAG  
 GAAGCATCAGATGGGAATAGTGGTAGTGTGAGGCAACTCGGGGACACAGTGA**TGA**

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_130818  
**Insert Size:** 2577 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>	<a href="#">NM_130818.1</a> , <a href="#">NP_570831.1</a>
<b>RefSeq Size:</b>	2577 bp
<b>RefSeq ORF:</b>	2577 bp
<b>Locus ID:</b>	170634
<b>UniProt ID:</b>	<a href="#">Q923K1</a>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	taste-specific G protein-coupled receptors which recognize natural and synthetic sweeteners [RGD, Feb 2006]