

Product datasheet for **MC222018**

Tas1r1 (NM_031867) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas1r1 (NM_031867) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tas1r1
Synonyms:	Gpr70; T1r1; TR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222018 representing NM_031867
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTTTCTGGGCAGCTCACCTGCTGCTCAGCCTGCAGCTGGCCGTTGCTTACTGCTGGGCTTTACAGT
 GCCAAAGGACAGAATCCTCTCCAGGTTTCAGCCTCCCTGGGACTTCTCCTGGCAGGCCTGTTCTCCCT
 CCATGCTGACTGTCTGCAGGTGAGACACAGACCTCTGGTGACAAGTTGTGACAGGTCTGACAGCTTCAAC
 GGCCATGGCTATCACCTCTTCCAAGCCATGCGGTTACCGTTGAGGAGATAAACTCCACAGCTCTGC
 TTCCCAACATCACCTGGGGTATGAAGTGTATGACGTGTGCTCAGAGTCTTCCAATGTCTATGCCACCT
 GAGGGTGTCTGCCAGCAAGGGACAGGCCACCTAGAGATGCAGAGAGATCTTCGCAACCACTCTCCAAG
 GTGGTGGCACTATTGGGCTGATAACTGACCAGCTGTACCAGTGTGCCCTGCTGAGCCCTTTTC
 TGATGCCCTGGTCAGCTATGAGGCGAGCAGCGTATCCTCAGTGGGAAGCGCAAGTTCCCGTCTTCTT
 GCGCACCATCCCCAGCGATAAGTACCAGGTGGAAGTCATAGTGGCGCTGTGCAGAGCTTCGGCTGGGTC
 TGATCTCGCTCGTTGGCAGCTATGGTGACTACGGGCAGCTGGGCGTACAGGCGCTGGAGGAGCTGGCCA
 CTCACGGGGCATCTGCGTCGCCTTCAAGGACGTGGTGCCTCTCTCCGCCAGGCGGGTGACCCAAGGAT
 GCAGCGCATGATGCTGCGTCTGGCTCGAGCCAGGACCACCGTGGTGGTCTTCTCTAACCGGCACCTG
 GCTGGAGTGTCTTACAGTCTGTGGTGTGGCCAACTGACTGGCAAAGTGTGGATCGCTCCGAAGACT
 GGGCCATCTCCACGTACATACCAATGTGCCGGGATCCAGGGCATTGGGACGGTGTGGGGTGGCCAT
 CCAGCAGAGACAAGTCCCTGGCCTGAAGGAGTTTGAAGAGTCTATGTCCAGGCAGTGTGGGTGCTCCC
 AGAAGTTGCCAGAGGGGCTCTGGTGGCCTAACCAGCTGTGCAGGGAGTGTACGCTTTCACGACAT
 GGAACATGCCCGAGCTTGAGCCTTCTCATGAGCGCTGCCTACAATGTGTATGAGGCTGTGTATGCTGT
 GGCCACGGCCTCCACCAGCTCCTGGGATGTACCTCTGGGACCTGTGCCAGAGGCCAGCTACCCCTGG
 CAGCTTCTCAGCAGATCTACAAGTGAATTTCTTCTACATAAGAAGACTGTAGCATTGATGACAAGG
 GGGACCTCTAGGTTATTATGACATCATCGCTGGGACTGGAATGGACCTGAATGGACCTTTGAGGTCAT
 TGGTTCTGCCTCACTGTCTCCAGTTCATCTAGACATAAATAAGACAAAAATCCAGTGGCAGCGGAAGAAC
 AATCAGGTGCCTGTGTAGTGTACCAGGACTGTCTCGAAGGGCACCAGGTTGGTGTGTTGCC
 ACCACTGCTGCTCGAGTGCATGCCCTGTGAAGCTGGGACATTTCTCAACACGAGTGTGCTTCCACCTG
 CCAGCCTGTGGAACAGAAGAATGGGCCCTGAGGGGAGCTCAGCCTGCTTCTCACGACCGTGGAGTTC
 TTGGGGTGGCATGAACCATCTCTTTGGTGTATTAGCAGCTAACAGCTATTGCTGCTGCTGATTG
 GACTGCTGGCCTGTTTGCCTGGCGTCTCACAGCCTGTTGTGAGGTGAGTGGGGTAGGCTGTGCTT
 CCTCATGCTGGGTTCTTGGTAGCTGGGAGTTGCAGCCTCTACAGCTTCTTCGGGAAGCCACGGTGCC
 GCGTGCTGCTGCGTCAGCCCCTCTTTCTCTCGGGTTTGCCATTTCTCTCCTGTCTGACAATCCGCT
 CCTTCAAAGTGGTATCATCTTCAAGTTTTCTACCAAGTACCCACATTCTACCACATTGGGCCAAAA
 CCATGGTGCCGGAATATTCGTCATTGTGACGCTCCACGGTCCATTTGTTCTCTGTCTCACGTGGCTTGA
 ATGTGGACCCACGGCCACCAGGAGTACCAGCGCTTCCCCATCTGGTATTCTTGTGACACAGAGG
 TCAACTCTGTGGGCTTCTGGTGGCTTTCGCACACAACATCCTCCTCTCCATCAGCACCTTGTCTGCAG
 CTACCTGGGTAAGGAAGTCCCGGAGAACTATAACGAAGCCAAATGTGTACCTTACGCTTCCCTCCAC
 TTGATCCTGGATCGCTTTCTTACCATGTCCAGCATTACCAGGGCAGCTACCTACCCGGGTCAATG
 TGCTGGCAGGGCTGGCCACTCTGAGTGGCGGCTTACGCGCTATTTCTCCCTAAATGCTACGTATTCT
 CTGCCCTCCAGAAGTCAACAACACAGAACAATTTAGGCCTCCATCCAGGACTACACGAGGCGCTGCGGC
 ACTAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2285_e03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_031867

Insert Size:	2529 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_031867.2 , NP_114073.1
RefSeq Size:	2814 bp
RefSeq ORF:	2529 bp
Locus ID:	110326
UniProt ID:	Q99PG6
Cytogenetics:	4 82.83 cM
Gene Summary:	Putative taste receptor. TAS1R1/TAS1R3 responds to the umami taste stimulus (the taste of monosodium glutamate) and also to most of the 20 standard L-amino acids, but not to their D-enantiomers or other compounds. Sequence differences within and between species can significantly influence the selectivity and specificity of taste responses.[UniProtKB/Swiss-Prot Function]