

Product datasheet for **MC218536**

Tas1r1 (BC070448) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Tas1r1 (BC070448) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tas1r1 |
| Synonyms: | TR1, T1r1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >BC070448
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTTTCTGGGCAGCTCACCTGCTGCTCAGCCTGCAGCTGGCCGTTGCTTACTGCTGGGCTTTACAGT
GCCAAAGGACAGAATCCTCTCCAGGTTTCAGCCTCCCTGGGACTTCTCCTGGCAGGCCTGTTCTCCCT
CCATGCTGACTGTCTGCAGGTGAGACACAGACCTCTGGTGACAAGTTGTGACAGGTCTGACAGCTTCAAC
GGCCATGGCTATCACCTCTTCCAAGCCATGCGGTTACCGTTGAGGAGATAAACTCCACAGCTCTGC
TTCCCAACATCACCTGGGGTATGAACTGTATGACGTGTGCTCAGAGTCTTCCAATGTCTATGCCACCT
GAGGGTGTCTGCCAGCAAGGGACAGGCCACCTAGAGATGCAGAGAGATCTTCCGAACCACTCTCCAAG
GTGGTGGCACTATTGGGCTGATAACTGACCAGCTGTACCAGTGTGCCCTGCTGAGCCCTTTTC
TGATGCCCTGGTCAGCTATGAGGCGAGCAGCTGATCCTCAGTGGGAAGCGCAAGTTCCCGTCTTCTT
GCGCACCATCCCCAGCGATAAGTACCAGGTGGAAGTCATAGTGGCGCTGCTGCAGAGCTTGGCTGGGTC
TGATCTCGCTCGTTGGCAGCTATGGTGACTACGGGCAGCTGGGCGTACAGGCGCTGGAGGAGCTGGCCA
CTCCACGGGGCATCTGCGTGCCTTCAAGGACGTGGTGCCTCTCTCCGCCAGGGGGTGACCCAAGGAT
GCAGCGCATGATGCTGCGTCTGGCTCGAGCCAGGACCACCGTGGTGGTCTTCTCTAACCAGGACCTG
GCTGGAGTGTCTTTCAGGTCTGTGGTCTGGCCAACTGACTGGCAAAGTGTGGATCGCTCCGAAGACT
GGGCCATCTCCACGTACATACCAATGTGCCGGGATCCAGGGCATTGGGACGGTGTGGGGTGGCCAT
CCAGCAGAGACAAGTCCCTGGCCTGAAGGAGTTTGAAGAGTCTATGTCCAGGCAGTGTGGGTGCTCCC
AGAACTTGCCAGAGGGGTCCTGGTGCAGCACTAACAGCTGTGCAGGGAGTGTACAGCTTTCACGACAT
GGAACATGCCCGAGCTTGGAGCCTTCCATGAGCGCTGCCTACAATGTGTATGAGGCTGTGTATGCTGT
GGCCACGGCCTCCACCAGCTCCTGGGATGTACCTCTGGGACCTGTGCCAGAGGCCAGTCTACCCCTGG
CAGCTTCTCAGCAGATCTACAAGTGAATTTCTTCTACATAAGAAGACTGTAGCATTGATGACAAGG
GGGACCTCTAGGTTATTATGACATCATCGCTGGGACTGGAATGGACCTGAATGGACCTTTGAGGTCAT
TGGTTCTGCCTCACTGTCTCCAGTTCATCTAGACATAAATAAGACAAAAATCCAGTGGCAGGGAAGAAC
AATCAGGTAATGGGACAAGGTGCTCACCAGGTGACTGCTTTGTTACCAGAATCTGGGGAGTGTGCGAA
CCCAGAGCAGGATGGGGCCCCACACATCAGGCTACCTCAGGTCTGCAGTCTGCCAGGGATGCCAGCTGC
AGTGTGTCAAACAGATGTCGGAGAGGGGACCTGGAGGGCAGTGGCACAGATCCCTTCTCAGTCTCC
CTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC070448

Insert Size: 1068 bp

OTI Disclaimer: 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).

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:

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: [BC070448](#)

RefSeq Size: 4723 bp

RefSeq ORF: 1685 bp

Locus ID: 110326

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]