

Product datasheet for **MC210121**

Tas2r108 (NM_020502) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tas2r108 (NM_020502) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tas2r108
Synonyms: mGR08; mt2r8; T2r8; T2R108; Tas2r4; Tas2r8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210121 representing NM_020502
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCTGGGAAGTGTATGATTTGTGTTTGTGCCTCGGTTTTTTAAATTTTGTAGGAATCATTGCAA
ATCTATTTATTATAGTGATAATTATTAAGACTTGGGTCAACAGTCGCAGAATTGCCTCTCCGGATAGGAT
CCTGTTACAGTTGGCCATCACTAGATTCCTGACTTTGGGGTTGTTTCTACTGAACAGTGTCTACATTGCT
ACAAATACTGGAAGGTCAGTCTACTTTTCCACATTTTTCTATTGTGTTGGAAGTTTCTGGATGCAAACA
GTCTCTGTTAGTGACCATTCTGAACAGCTTGTATTGTGTGAAGATTACTAATTTTCAACACCCAGTGTT
TCTCCTGTTGAAACGGACTATCTCTATGAAGACCACCAGCCTGCTGTTGGCCTGCTTCTGATTTAGCC
CTCACCCTCTCCTATATATATGCTCTCACAGATACACGTTTTTCTGAACACATAATTGGGAGAAATG
ACACGTCATTTGACCTCAGTGATGGTATCTTGACGTTAGTAGCCTCTTTGGTCTGAACCTCACTTCTACA
GTTTATGCTCAATGTGACTTTTGCTTCCCTGTTAATACATTCCCTGAGAAGACATATACAGAAGATGCAG
AGAAACAGGACCAGCTTTTGAATCCCCAGACGGAGGCTCACATGGGTGCTATGAGGCTGATGATCTGTT
TCCTCGTGCTCTACATTCATATTCAATTGCTACCCTGCTATCTTCCCTCTATATGAGGAAGAATCT
GAGAGCCCAGGCCATTTGCATGATTATTACTGCTGCTTACCCTCCAGGACATTCTGTCTCTCTATTATC
ACACATCATAAACTGAAAGCTAAAGCAAAGAAGATTTTCTGTTTCTACAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020502
Insert Size: 894 bp



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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:	<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_020502.1 , NP_065248.1
RefSeq Size:	894 bp
RefSeq ORF:	894 bp
Locus ID:	57253
UniProt ID:	Q9JKT3
Cytogenetics:	6 B1
Gene Summary:	Gustducin-coupled receptor for denatonium and N(6)-propyl-2-thiouracil implicated in the perception of bitter compounds in the oral cavity and the gastrointestinal tract. Signals through PLCB2 and the calcium-regulated cation channel TRPM5. In airway epithelial cells, binding of denatonium increases the intracellular calcium ion concentration and stimulates ciliary beat frequency (By similarity).[UniProtKB/Swiss-Prot Function]