

## Product datasheet for **MC210120**

### Tas2r105 (NM\_020501) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tas2r105 (NM\_020501) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tas2r105  
**Synonyms:** mGR05; mt2r5; T2R05; T2r5; T2R9; Tas2r5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210120 representing NM\_020501  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGCTGAGTGC GG CAGAAGGCATCCTCCTTTCCATTGCAACTGTTGAAGCTGGGCTGGGAGTTTTAGGGA  
ACACATTTATTGCACTGGTAACTGCATGGACTGGCCAAAGAACAATAAGCTTTCTATGACTGGCTTCT  
TCTCATCGGCTTAGCAACTCCAGGATTTTATTGTGTGGCTATTAACCTTAGATGCATATGCAAAGCTA  
TTCTATCCAAGTAAGTATTTTTCTAGTAGTCTGATTGAAATCATCTTTATATATGGATGACTGTGAATC  
ACCTGACTGTCTGGTTGCCACCAGCCTAAGCATCTTCTATTTCCCTGAAGATAGCCAATTTTTCCGACTG  
TGTATTTCTCTGGTTGAAGAGGAGAAGCTGATAAAGCTTTTGTCTTCTGGGGTGTGGCTAACTTCA  
TGGGTAATCTCCTTCTCATTGTTGTGAAGGTGATGAAGGACGGTAAAGTGAATCATAGAAACAGGACCT  
CGGAGATGACTGGGAGAAAAGGCAATTCATTAATACTACGTTTTCTCAATATTGGAGTCATTTCTCT  
CTTTATGATGACCTTAACTGCATGTTTCTGTAAATATGTCACCTTTGGAGACACAGCAGGAGATGCAG  
TCTGGTGTTCAGGATTCAGAGACCTCAACACAGAAGCTCATGTGAAAGCCATAAAATTTTAAATTCAT  
TTATCATCCTTTTCGTCTTGATTTTATAGGTGTTTCAATAGAAATTATCTGCATATTTATACCAGAAAA  
CAAAGTCTATTTATTTTGGTTTCAACTGCATCCATATATCCTTGCTGTCACTCATTATTCTAATT  
CTATCTAACAGCCAGCTAAAGCAAGCCTTTGTAAGGTAAGTAAAGTCTTTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_020501  
**Insert Size:** 903 bp



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<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_020501.1</a> , <a href="#">NP_065247.1</a>
<b>RefSeq Size:</b>	903 bp
<b>RefSeq ORF:</b>	903 bp
<b>Locus ID:</b>	57252
<b>UniProt ID:</b>	<a href="#">Q9JKT4</a>
<b>Cytogenetics:</b>	6 63.53 cM
<b>Gene Summary:</b>	Gustducin-coupled cycloheximide receptor 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.[UniProtKB/Swiss-Prot Function]