

## Product datasheet for **MC214829**

### Tas2r121 (NM\_207024) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tas2r121 (NM\_207024) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tas2r121  
**Synonyms:** mGR21; mT2r48; T2R21; Tas2r13; Tas2r21  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC214829 representing NM\_207024  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGAAGCAATGTGTATGGTATCTTAACTATGGTTATGATTGCAGAGTTTGTATTTGGAAATATGAGCA  
ATGGATTCATAGTCTGATAAACTGCATTGATTGGGTGAGAAAGGAAGCTTTTCTCCATTGGTTGGAT  
CCTGCTTTTCTTGCCATTTCAAGAATGGTGTGATATGGGAAATGTTAATAACATGGATAAAATATATG  
AAGTATTCATTTTCATTTGTGACTGGAACAGAATTACGGGGTATCATGTTTACCTGGGTAATTTCCAATC  
ACTTCAGTCTCTGGCTTGCCACTATTCTCAGCATCTTTTATTTGCTCAAAATAGCCAGTTTCTCCAAACC  
GGTTTTCTCTATTTGAAGTGGAGAGAGAAGAAAGTGCTTCTGATTGTCCTTCTGGGAAATTTGATCTTC  
TTGATGCTCAACATATTACAAATAAACAAACATATAGAACACTGGATGTATCAATATGAGAGAAATATAA  
CTTGGAGTTCTAGAGTGAGTGACTTTGCAGGGTTTTCAAATCTGGTCTTATTGGAGATGATTGTGTTCTC  
TGTAACACCATTCACAGTGGCCCTGGTCTCCTTCATCCTGTTAATCTTCTCCTTGGAACATCTACAG  
AAAATGCATCTCAATTCTAGAGGGGAACGAGACCCAGCACTAAAGCCCATGTAATGCCTTGAGAATTA  
TGGTCTCCTTCTTACTCTATGCCACTTACTCATATCTTTTTTCTATCATTGATTTCCCATGGCACA  
TAAAACAGACTGGTCTTATGTTTAGCATAACTGTTGGGCTTTTCTACCCTTCAAGCCACTCATTATC  
TTAATTTTGGGACATTCTAATTTAAGGCAAGCCAGTCTTTGGGTGATGACATATCTTAAATGTGGGCAAA  
AGCATTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_207024  
**Insert Size:** 918 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_207024.1</a> , <a href="#">NP_996907.1</a>
<b>RefSeq Size:</b>	918 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	387349
<b>UniProt ID:</b>	<a href="#">Q7M720</a>
<b>Cytogenetics:</b>	6 64.03 cM
<b>Gene Summary:</b>	Receptor that may play a role in the perception of bitterness and is gustducin-linked. May play a role in sensing the chemical composition of the gastrointestinal content. The activity of this receptor may stimulate alpha gustducin, mediate PLC-beta-2 activation and lead to the gating of TRPM5 (By similarity).[UniProtKB/Swiss-Prot Function]