

## Product datasheet for **MC214845**

### Tas2r140 (NM\_021562) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tas2r140 (NM\_021562) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tas2r140  
**Synonyms:** mt2r64; mTRB3; T2r34; T2R40; Tas2r8; Tas2r13; Tas2r40; Tas2r137; TRB3; TRB5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC214845 representing NM\_021562  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAATGCTACTGTGAAGGTACATTATTAATCATCTTAGGTGTAGAAATCATTATAGGGTGTAGGAA  
 ATGGATTCATAGCTGTGGTGAACATTATGGACTGGCCAAGAGAAGAAAGATCTCCTTAGTGATCAGAT  
 ATTCAGTCTCTGGCCATCTCCAGACTTGCTTTTGTGTGGTCACTACTCACAGTTTTATTACATCTGAG  
 CTGACTCAGCATTAAATGACAACAAGAAAAGTGTGATAATATTAATAATTCCTGGACAGTGATCAATC  
 ATTTCAATATTTGGCTTGCTACATGTCTCAGCATCTTTATTTTCTCATGATAGCTAATTTTTCAAATTC  
 TATTTTTCTTTCCCTAAGGTGGAGGGTAAAACTGTGGTTTCAGTAACACTATTGATGTCACCTTCTCCTC  
 TTGTTTGTAAACGTTTTAGTCATAAACACATTTATTGTTATCTCAGTTGATGTATATAAAGTAAATACGT  
 CCTACAGTTCTCATTAGATAACAATATACATATTTCTAGGATTTTTTTATTTACCAACTATATTCAC  
 ATTCATAACCTTCAGTGTGACGCTGACAATTTTCTCCTGCTCATCTTCTCACTATGGACTCATCTGAAG  
 AACATGCAACACAATGCCAAAGACTCCAGAGACCCAGCACACAGCCCATATTAAGGCCCTGCAATGA  
 TGGTCACCTTTCTTTATTATACACCATTTTCTTTCTGGCACTTGTCATGCAATCTCAAATGAAGTT  
 TCTTTGAGCACTGTGTTCAATTTTTTTTGTAGGTTATACACTTGCTTTTCTCGGGCCACTCTTGT  
 GTCCTAATTCTGGAAATCTAAGCTCAGACAGACTTTTATATCCACAGTATGGTGGCTGAAGTCCAGTT  
 TTAATGCTGCAGAACTCCAGGTCCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_021562  
**Insert Size:** 939 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_021562.1</a> , <a href="#">NP_067537.1</a>
<b>RefSeq Size:</b>	939 bp
<b>RefSeq ORF:</b>	939 bp
<b>Locus ID:</b>	387616
<b>UniProt ID:</b>	<a href="#">Q7TQA4</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.[UniProtKB/Swiss-Prot Function]