

## Product datasheet for MR220117

### Tas2r106 (NM\_207016) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tas2r106 (NM\_207016) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tas2r106  
**Synonyms:** mGR06; mt2r44; T2R06; Tas2r6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR220117 representing NM\_207016  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCTGACTGTAGCAGAAGGAATCCTCCTTTGTTTTGTAAGTGTGTTTCAGTCTGGGAGTTCTAGGAA  
ATGGATTTATCCTGCATGCAAACACATTAAGTGTGTCAGAAAGAAGTTCTCCACAGCTGGCTTTATTCT  
CACAGGCTTGGCTATTTGCAGAATCTTTGCATATGTATAATAATCTCTGATGGATTTAAAATTGTTT  
TCTCCACATATGGTTGCCTCTGATGCCACATTATAGTGATTTCTTACATATGGGTAATTATCAATCATA  
CAAGTATATGGTTTGCACCAGCCTCAACCTCTTCTATCTCCTGAAGATAGCAAATTTTTCTCACTACAT  
CTTCTTCTGCTTGAAGAGAAGAATCAATACAGTATTTATCTTTCTCCTGGGATGCTTATTTATATCATGG  
TCAATTGCTTTCCACAAACAGTGAAGATATTTAATGTTAAAAAGCAGCACAGAAATGTTTCTGGCAGG  
TTTACCTCTATAAGAATGAGTTCATTGTAAGCCACATTCTTCTCAACCTGGGAGTTATATTTCTTTAT  
GGTGGCTATCATTACATGCTTCTTATTAATTTTCACTTTGAAACATAACAGAAAGATGCAGTTGTAT  
GCCTCAAGATTCAAAAGCCTTAACACAGAAGTACATGTGAAAGTCATGAAAGTTTTAATTTCTTTATTA  
TCCTGTTAATCTTGCAATTCATAGGGATTTTGATAGAAACATTGAGCTTTTTAAAATATGAAAATAAAT  
GCTACTATTTTGGGTTTGATAATTTTCATGCATGTATCCTTGTCTCATTATTTATCCTAATTTAGCA  
AACAGTCAGCTGAAGCAGGCTTTTGAAGGCACTGAAGCAATTTAAATGCCATAAGAAAGACAAGGACG  
TCAGAGTGACATGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220117 representing NM\_207016  
Red=Cloning site Green=Tags(s)

MLTVAEGILLCFVTSGSVLGVLGNGFILHANYINCVRKKFSTAGFILTGLAICRIFVICIIISDGYLKLF  
 SPHMVASDAHIIIVISYIWIINHTSIWFATSLNLFYLLKIANFSHYIFFCLKRRINTVFIFLLGCLFISW  
 SIAFPQTVKIFNVKKQHRNVSWQVYLYKNEFIVSHILLNLGVIFFMVAIITCFLLIISLWKHNRKMQLY  
 ASRFKSLNTEVHVKVMKVLISFIIILLHFIFIGIL IETLSFLKYENKLLLILGLIISCMYPCCHSFILILA  
 NSQLKQASLKALKQLKCHKKDKDVRVTW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9086\\_e02.zip](https://cdn.origene.com/chromatograms/mm9086_e02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_207016

**ORF Size:** 924 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_207016.1](#), [NP\\_996899.1](#)

**RefSeq Size:** 927 bp

**RefSeq ORF:** 927 bp

**Locus ID:** 387341

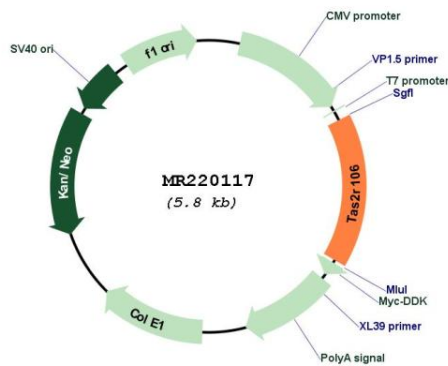
**UniProt ID:** [Q7M724](#)

**Cytogenetics:** 6 63.52 cM

**MW:** 35.5 kDa

**Gene Summary:** Putative taste receptor which may play a role in the perception of bitterness. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR220117