

Product datasheet for **MG220117**

Tas2r106 (NM_207016) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tas2r106 (NM_207016) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tas2r106
Synonyms: mGR06; mt2r44; T2R06; Tas2r6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220117 representing NM_207016
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGACTGTAGCAGAAGGAATCCTCCTTTGTTTTGTAAGTGTGTTTCAGTCTGGGAGTTCTAGGAA
ATGGATTTATCCTGCATGCAAACACATTAAGTGTGTCAGAAAGAAGTTCTCCACAGCTGGCTTTATTCT
CACAGGCTTGGCTATTTGCAGAATCTTTGCATATGTATAATAATCTCTGATGGATATTTAAATTGTTT
TCTCCACATATGGTTGCCTCTGATGCCACATTATAGTGATTTCTTACATATGGGTAATTATCAATCATA
CAAGTATATGGTTTGCACCAGCCTCAACCTCTTCTATCTCCTGAAGATAGCAAATTTTTCTCACTACAT
CTTCTTCTGCTTGAAGAGAAGAATCAATACAGTATTTATCTTTCTCCTGGGATGCTTATTATATCATGG
TCAATTGCTTTCCACAAACAGTGAAGATATTTAATGTTAAAAAGCAGCACAGAAATGTTTCTGGCAGG
TTTACCTCTATAAGAATGAGTTCATTGTAAGCCACATTCTTCTCAACCTGGGAGTTATATTCTTCTTTAT
GGTGGCTATCATTACATGCTTCTTATTAATTTTCACTTTGGAAACATAACAGAAAGATGCAGTTGTAT
GCCTCAAGATTCAAAAGCCTTAACACAGAAGTACATGTGAAAGTCATGAAAGTTTTAATTTCTTTTATTA
TCCTGTTAATCTTGCAATTCATAGGGATTTTGATAGAAACATTGAGCTTTTTAAATATGAAAATAAAT
GCTACTATTTTGGGTTTGATAATTTTCATGCATGTATCCTTGTCTGTCATTTCATTTATCCTAATTCAGCA
AACAGTCAGCTGAAGCAGGCTTCTTTGAAGGCACTGAAGCAATTTAAATGCCATAAGAAAGACAAGGACG
TCAGAGTGACATGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220117 representing NM_207016
 Red=Cloning site Green=Tags(s)

MLTVAEGILLCFVTSGSVLGVLGNGFILHANYINCVRKKFSTAGFILTGLAICRIFVICIIISDGYLKL
 SPHMVASDAHIIIVISYIWIINHTSIWFATSLNLFYLLKIANFSHYIFFCLKRRINTVFIFLLGCLFISW
 SIAFPQTVKIFNVKKQHRNVSWQVYLYKNEFIVSHILLNLGVIFFFMVAIITCFLLIISLWKHNRKMQLY
 ASRFKSLNTEVHVKVMKVLISFIIILLHFIFIGIL IETLSFLKYENKLLLILGLIISCMYPCCHSFILILA
 NSQLKQASLKALKQLKCHKKDKDVRVTW

TRTRPLE - GFP Tag - V

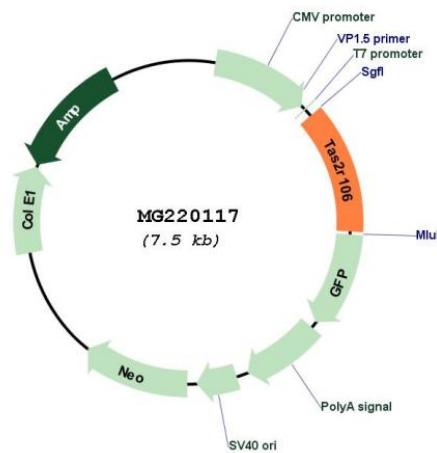
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_207016.1 , NP_996899.1
RefSeq Size:	927 bp
RefSeq ORF:	927 bp
Locus ID:	387341
UniProt ID:	Q7M724
Cytogenetics:	6 63.52 cM
Gene Summary:	Putative taste receptor which may play a role in the perception of bitterness. [UniProtKB/Swiss-Prot Function]