

Product datasheet for **MG220167**

Tas2r130 (NM_199156) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r130 (NM_199156) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tas2r130
Synonyms:	mt2r42; STC74; T2R30; Tas2r7; Tas2r30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220167 representing NM_199156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGACATACGAAACAGATACTACCTTAATGCTTGTAGCTGTTGGTGAGGCCTTAGTAGGGATTTAGGAA
 ATGCATTCATTGCACTGGTAACTTCATGGCTGGATGAAGAATAGGAAGATTGCCTCTATTGATTTAAT
 CCTCTCAAGTGTGGCCATGTCCAGAATTTGTCTACAGTGTATAATCCTATTAGATTGTATTATATTGGTG
 CAGTATCCAGACACCTACAACAGAGGTAAGAAATGAGGACCGTTGACTTCTTCTGGACACTTACCAACC
 ATTTAAGTGTCTGTTTGCACCTGCCTCAGCATTTTCTATTTATTCAAGATAGCAAACCTCTTCCACCC
 TCTTTTCTCTGGATAAAGTGGAGAATTGACAAGCTAATTCTCAGAACTCTACTGGCATGTGTGATTATC
 TCCCTGTGTTTTAGCCTCCCACTGCAAAATCTGAGTGATGATTTTCAACGTTGTGTTAAGACAAAGG
 AGAGAATAAACTCTACTTTGAGATGCAAAGTAAATAAAGCTGGACATGCCTCTGTCAAGGTAAATCTCAA
 CTTGGTCATGCTGTTCCCTTTTCTGTGTCTCTGGTCTCCTTTCTCCTCTTGATCCTCTCCCTGTGGAGA
 CACACCAGGCAGATACTCAGTGAACAGGGTACAAAGATCCAGCACAACAGCTCATGTGAAAGCCA
 TGAAAGCAGTAATTTCTTCTGCCCCTGTTTGTGTCTACTGCCTAGCCTTTCTCATAGCCACCTCCAG
 CTACTTTATGCCAGAGTGAATTAGCTGTAATATGGGGTGAGCTGATAGCTCTAATCTATCCTTCAAGC
 CATTCAATTTATCCTCATCCTGGGGAGTAGTAACTAAACAAGCATCTGTGAGGGTGCTTTGTAGAGTAA
 AGACCATGTAAAGGGAAAAAATAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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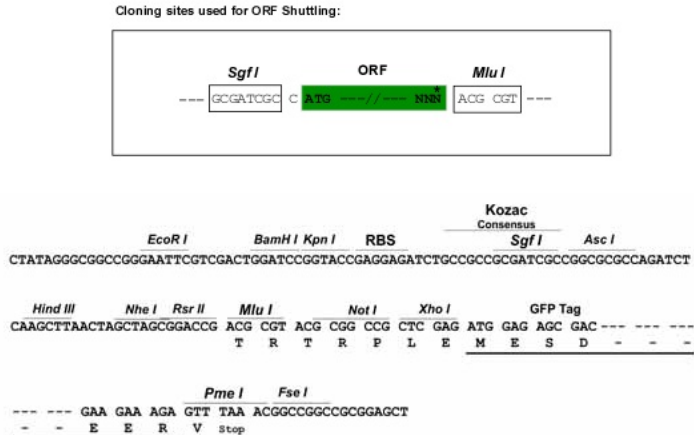
Protein Sequence: >MG220167 representing NM_199156
 Red=Cloning site Green=Tags(s)

MTYETDTTLMVLAVGEALVGILGNAFIALVNFMGWMKNRKIASIDLILSSVAMSRICLQCIILLDCIILV
 QYPTDYNRGKEMRTVDFFWTLTNHLSVWFATCLSIYLFKIANFFHPLFLWIKWRIDKLILRTLLACVII
 SLCFSLPVTENLSDDFRRCVKTKERINSTLRCKVKNAGHASVKVNLNLVMLFPFSVSLVSFLLLILSLWR
 HTRQIQLSVTGYKDPSTTAHVKAMKAVISFLALFVVYCLAFLIATSSYFMPSELAWIWELIALIYPSS
 HSFILILGSSKLKQASVRVLCRVKTMKGKKY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_199156

ORF Size: 936 bp

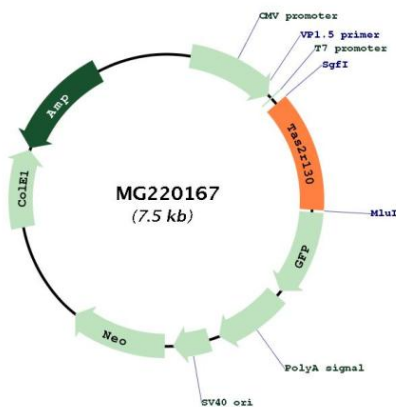
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_199156.1, NP_954607.1</u>
RefSeq Size:	939 bp
RefSeq ORF:	939 bp
Locus ID:	387355
UniProt ID:	<u>P59530</u>
Cytogenetics:	6 63.44 cM
Gene Summary:	Gustducin-coupled 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]

Product images:



Circular map for MG220167