

Product datasheet for **MR220167**

Tas2r130 (NM_199156) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r130 (NM_199156) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tas2r130
Synonyms:	mt2r42; STC74; T2R30; Tas2r7; Tas2r30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220167 representing NM_199156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACATACGAAACAGATACTACCTTAATGCTTGTAGCTGTTGGTGAGGCCTTAGTAGGGATTTAGGAA
 ATGCATTCATTGCACTGGTAACTTCATGGCTGGATGAAGAATAGGAAGATTGCCTCTATTGATTTAAT
 CCTCTCAAGTGTGGCCATGTCCAGAATTTGTCTACAGTGTATAATCCTATTAGATTGTATTATATTGGTG
 CAGTATCCAGACACCTACAACAGAGGTAAGAAATGAGGACCGTTGACTTCTTCTGGACACTTACCAACC
 ATTTAAGTGTCTGTTTGCACCTGCCTCAGCATTTTCTATTTATTCAAGATAGCAAACCTCTTCCACCC
 TCTTTTCTCTGGATAAAGTGGAGAATTGACAAGCTAATTCTCAGAACTCTACTGGCATGTGTGATTATC
 TCCCTGTGTTTTAGCCTCCCACTGCAAAATCTGAGTGATGATTTAGACGTTGTGTTAAGACAAAGG
 AGAGAATAAACTCTACTTTGAGATGCAAAGTAAATAAAGCTGGACATGCCTCTGTCAAGGTAAATCTCAA
 CTTGGTCATGCTGTTCCCTTTTCTGTGCTCTGGTCTCCTTTCTCCTCTTGATCCTCTCCCTGTGGAGA
 CACACCAGGCAGATACAACTCAGTGAACAGGGTACAAAGATCCAGCACAACAGCTCATGTGAAAGCCA
 TGAAAGCAGTAATTTCTTCTGCCCCTGTTTGTGTCTACTGCCTAGCCTTTCTCATAGCCACCTCCAG
 CTACTTTATGCCAGAGAGTGAATTAGCTGTAATATGGGGTGAGCTGATAGCTCTAATCTATCCTTCAAGC
 CATTCAATTTATCCTCATCCTGGGGAGTAGTAACTAAACAAGCATCTGTGAGGGTGCTTTGTAGAGTAA
 AGACCATGTAAAGGGAAAAAATAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR220167 representing NM_199156

Red=Cloning site Green=Tags(s)

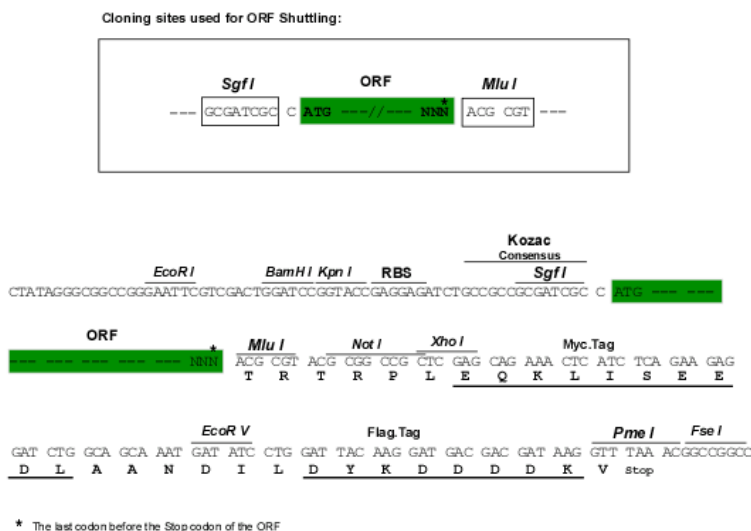
MTYETDITLMLVAVGEALVGILGNAFIALVNFMGWMKNRKIASIDLILSSVAMSRICLQCIILLDCIILV
QYPDTYNRGKEMRTVDFFWTLTNHLSVWFATCLSIFYLFKIANFFHPLFLWIKWRIDKILRTLACVIL
SLCFLSPVTENLSDDFRRCKVKTERINSTLRCKVNKAGHASVKVNLNLVMLPFFSVSLVSFLLLILSLWR
HTRQIQLSVTGKDPSTTAHVKMAKAVISFLAFVYVCLAFLIATSSYFMPESELAVIWGELIALIYPS
HSFIIILGSSGLKOASVRVLCKVMTKLKGKKY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9022_d06.zip

Restriction Sites: Sgfl-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: [NM_199156.1](#), [NP_954607.1](#)

RefSeq Size: 939 bp

RefSeq ORF: 939 bp

Locus ID: 387355

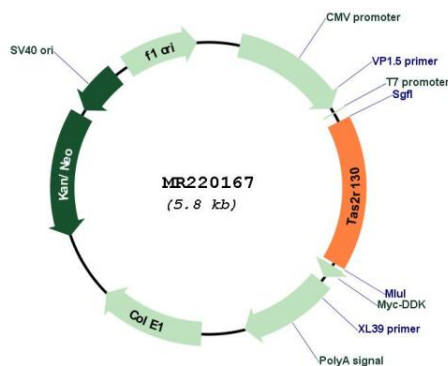
UniProt ID: [P59530](#)

Cytogenetics: 6 63.44 cM

MW: 36 kDa

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 MR220167