

Product datasheet for **RN216387**

Tas2r110 (NM_001166677) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r110 (NM_001166677) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tas2r110
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216387 representing NM_001166677 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTTACACACAATAAGCAACGTGATATTTTACTTTGATAATCATATTTTTGTGGAAATAACAA
TGGGAATCTTAGGAAATGGATTCATAGCACTAGTGAATATTGTGGACTGGATCAAGAGAAGAAGGATTTT
TTCAGTGGATAAGATTCTCACTACCTTGCCCTTACCAGACTCATTTATGCGTGGTCTATGCTCATTTTT
ATATTGTTATTCATACTGGGCCCGCATTTGATTATGAGATCAGAAATACTTACATCAATGGGTGTTATCT
GGGTGGTGAACAATCACTTCAGCATCTGGCTTGCTACATGCCTCGGTGTCTTTTATTTCTCAAGATAGC
CAATTTTTCTAACTCTTTGTTTCTTTACCTAAAGTGGAGAGTTAAAAAAGTGGTTTTAATGATAATAGTA
GTGTCATTGATTTTCTTGATATTAACATTTTTTCATTAGAGATTATGATCATTCTCAATTGATGTTT
ATGAAGGAAATATGTCTTATAGCTTGGGGATTCAACACATTTTCCAGAATTTCTTATTCGAAACTC
ATCTAAGGTCTTCTAATCACCAATTCATCCAGGTTTCTTACCCATCAACTCACTCTTCATGCTCATA
CCCTTCACAGTTTCCCTGGTAGCTTTTTTCATGCTTATCTTCACTGTGAAGCATCACAAGAAGATGG
AGGTCAATGCCAAGGACCCAGAGATGCCAGCACCAGGCCACATTAAGCTTTACAACTGGGCTCTC
CTTCCTGCTGCTGTATGCAATATACTTACTTTTTATTGTCATAGGAATTTTGAGTCATAAATTTATGGG
GGGAAATTGATACTCATATTTGACCACATTTGTGCAATAGTTTTCTATAAGCCACTCATTTGTGCTGA
TTCTGGGAAATAGTAACTGAGACGAAGCACTCTTCTGTGCTGCGTTTTCTGAGGTGCCGATCCAAGCA
TATACACATCATGGATCCCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001166677



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Insert Size:	1002 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001166677.1</u> , <u>NP_001160149.1</u>
RefSeq Size:	1002 bp
RefSeq ORF:	1002 bp
Locus ID:	100310875
UniProt ID:	<u>Q9JKE8</u>
Cytogenetics:	4q42
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]