

Product datasheet for **RN216347**

Tas2r117 (NM_001166682) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r117 (NM_001166682) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tas2r117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216347 representing NM_001166682 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAACATAATTTGAAGACAATATTTGTTATCTCTCACAGCACACTTACAATCATTTTATTTCACTGAAT
TAGTAAGTGAATTATAGGAAATGGGTTTCATGGCCCTGGTGCCTGTATGGACTGGCTAAGGAGAAAGAA
AATATCATTAGTTAATCAAAATCCTCACTGCTTTGGCAATTTCCAGAATTTTCAACTCTGTTTATTGTTT
ATAAGTTTAGTCATCTCCTTTTCATATCCAGATTTAACTACAACCTCACTGATAAAAGTCACTTGTAAATC
TTTGGATTATAGTCAACCATTTCAACATCTGGCTTGTACATGCCTCGGTATCTTTTATTTCTCAAGAT
ATCCAATTTTCTAACTCTCTTTTCTTTATCTAAAGTGGAGAGTTGAAAAAGTAGTTTTAGTTACACTG
CTGGTGTCACTGGTCTACTGACTTTAAATAGTTTACTAATTAACCTGGAAATTAACATATGCATAAATG
AATACCAAGAAACATAACATACAGCTTCAATTCTTATTATCATGCAAAATGTACAGGCAGATGTTAAG
CCTTCATATTATTTCTGTCTGTCCCCTTTGTTTGTCCCTGTCAACTTTCTCCTGCTCATCTCTCT
CTGGGGACACATCACAAGAAGATGCAGCAGCATGTTCAAGGACGCCGAGATGCCAGTACTATGGCCCACT
TCAAAGCCTTGCAAACCGTATTGCCTTTCTCCTACTATACTCTATTTTATTCTGTCTGTCTTAGTACA
AATTTGGAATATGAATTACTGAAGAAAAATCTTTTCATTTTATTTGTCAGGTTGCATATGTAGCTTTT
CCTTCATTCCATTATATATTCTGATTCTAGGAGACATGAAGATGAGACAGGCCTGTCTCTGTATTGT
GGTGGCAGAAATTCAGGAAAAATTATGTAGAACCTTTAGATCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001166682
Insert Size:	957 bp



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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_001166682.1</u> , <u>NP_001160154.1</u>
RefSeq Size:	957 bp
RefSeq ORF:	957 bp
Locus ID:	100310880
UniProt ID:	<u>Q675B8</u>
Cytogenetics:	4q42
Gene Summary:	Putative taste receptor which may play a role in the perception of bitterness. [UniProtKB/Swiss-Prot Function]