

Product datasheet for **RR216347**

Tas2r117 (NM_001166682) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tas2r117 (NM_001166682) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tas2r117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR216347 representing NM_001166682 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAACATAATTTGAAGACAATATTTGTTATCTCTCACAGCACACTTACAATCATTTTATTTCACTGAAT
 TAGTAAGTGAATTATAGGAAATGGGTTTCATGGCCCTGGTGCCTGTATGGACTGGCTAAGGAGAAAGAA
 AATATCATTAGTTAATCAAATCCTCACTGCTTTGGCAATTTCCAGAATTTTCAACTCTGTTTATTGTTT
 ATAAGTTTAGTCATCTCCTTTTCATATCCAGATTTAACTACAACCTCACTGATAAAAGTCACTTGTAAATC
 TTTGGATTATAGTCAACCATTTCAACATCTGGCTTGCTACATGCCTCGGTATCTTTTATTTCTCAAGAT
 ATCCAATTTTCTAACTCTCTTTTCTTTATCTAAAGTGGAGAGTTGAAAAAGTAGTTTTAGTTACACTG
 CTGGTGTCACTGGTCTACTGACTTTAAATAGTTTACTAATTAACCTGGAAATTAACATATGCATAAATG
 AATACCAAGAAACATAACATACAGCTTCAATTCTTATTATCATGCAAATTGTACAGGCAGATGTTAAG
 CCTTCATATTATTTCTGTCTGTCCCCTTTGTTTGTCCCTGTCAACTTTCTCCTGCTCATCTCTCT
 CTGGGGACACATCACAAGAAGATGCAGCAGCATGTTCAAGGACGCCGAGATGCCAGTACTATGGCCCACT
 TCAAAGCCTTGCAAACCGTGATTGCCTTTCTCCTACTATACTCTATTTTATTCTGTCTGTCTTAGTACA
 AATTTGGAATATGAATTACTGAAGAAAAATCTTTTATTTTATTTGTCAGGTTGCATATGTAGCTTTT
 CCTTCATTCCATTATATTTCTGATTCTAGGAGACATGAAGATGAGACAGGCCTGTCTCTGTATTGT
 GGTGGCAGAAATTCAGGAAAAATTATGTAGAACCTTTAGATCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


[View online »](#)

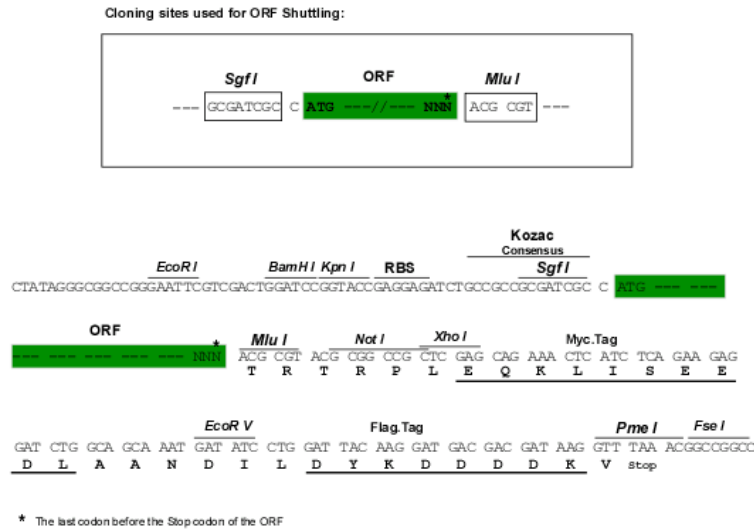
Protein Sequence: >RR216347 representing NM_001166682
 Red=Cloning site Green=Tags(s)

MQHNLKTIFVISHSTLTIIIFTTELVTGIIGNGFMALVHCDWLRRKKISLVNQILTALAI SRIFQLCLLF
 ISLVISFSYPDLTTTSLIKVTCNLWIIVNHFNWLATCLGIFYFLKISNFSNSLFLYLKWRVEKVVLT
 LVSLVLLTLNLLINLEINICINEYQRNITYSFNSYYHANCHRQMLSLHIIFLSVPFVLSLSTFLLLI
 LGTHHKMQQHVGRRDASTMAHFKALQTVIAFLLLYSIFILSVLVQIWKYELLKKNLFILFCQVAYVAF
 PSFHSYILILGDMKMRQACLSVLWWQKFRKNYVEPLDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001166682

ORF Size: 954 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.

RefSeq: [NM_001166682.1](#), [NP_001160154.1](#)

RefSeq Size: 957 bp

RefSeq ORF: 957 bp

Locus ID: 100310880

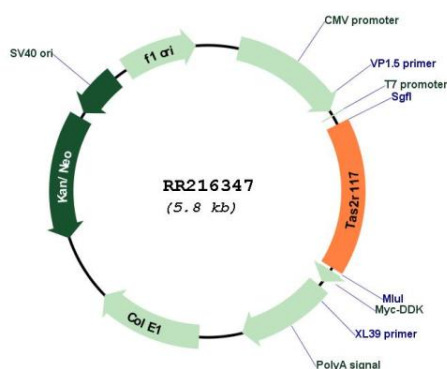
UniProt ID: [Q675B8](#)

Cytogenetics: 4q42

MW: 37.1 kDa

Gene Summary: Putative taste receptor which may play a role in the perception of bitterness.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR216347