

## Product datasheet for **SC333117**

### **C5orf19 (REEP2) (NM\_001271803) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C5orf19 (REEP2) (NM\_001271803) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** C5orf19  
**Synonyms:** C5orf19; SGC32445; SPG72; Yip2d  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333117 representing NM\_001271803.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGGTGTCTGGATCATCTCTCGCCTGGTGGTGCATCTTTGGCACCTGTACCCAGCCTATTCTTCC
TACAAGGCCGTGAAGACAAAAACGTGAAGGAATATGTGAAATGGATGATGACTGGATCGTCTTTGCC
TTCTTACCACGGCCGAGACGCTCACGGATATAGTGCTCTCTGGTTCCCTTCTACTTTGAACTGAAG
ATCGCCTTCGTGATATGGCTGCTGTCCCTTACACCAAGGGCTCCAGCGTCTCTACCGCAAGTTCGTG
CACCCAACGCTGTCCAACAAGGAGAAGGAGATCGACGAGTACATCACGCAGGCCCGAGACAAGAGCTAT
GAGACCATGATGAGGGTGGGCAAGAGGGCCTGAACCTTGCCGCCAATGCTGCAGTCACAGCTGCCGCC
AAGGGCCAGGGGTGCTGTCAGAGAAGCTCCGCAGCTTACGATGCAGGACCTGACCCTGATCCGGGAC
GAGGACGCACTGCCCCTGCAGAGGCCTGACGGCCGCTCCGACCCAGCCCTGGCAGCCTCTGGACACC
ATCGAGGACTTAGGAGATGACCCTGCCCTGAGTCTAAGGTCCAGCACAAACCCGGCAGATTTCCGGACA
GAGGCTTCTGAGGATGACATGGGAGACAAAGCTCCAAGAGGGCCAAACCCATCAAAAAAGCGCCAAA
GCTGAGCCACTGGCTTCCAAGACTGAAGACCCGGCCCAAGAAGAAGACCTCTGGCGGGGGCGACTCA
GCTTGA
  
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271803  
**Insert Size:** 765 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_001271803.1](#)

**RefSeq Size:** 2209 bp

**RefSeq ORF:** 765 bp

**Locus ID:** 51308

**UniProt ID:** [Q9BRK0](#)

**Cytogenetics:** 5q31.2

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 28.4 kDa

**Gene Summary:** This gene encodes a member of the receptor expression enhancing protein family. Studies of a related gene in mouse suggest that the encoded protein is found in the cell membrane and enhances the function of sweet taste receptors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (1) encodes the longer isoform (1).