

Product datasheet for **RG202507**

C5orf19 (REEP2) (NM_016606) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5orf19 (REEP2) (NM_016606) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C5orf19
Synonyms:	C5orf19; SGC32445; SPG72; Yip2d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202507 representing NM_016606 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGCCTGGATCATCTCTCGCCTGGTGGTGCATCTTTGGCACCTGTACCCAGCCTATTCTTCT
ACAAGGCCGTGAAGACAAAAACGTGAAGGAATATGTGAAATGGATGATGTACTGGATCGTCTTTGCCTT
CTTACCACGGCCGAGACGCTCACGGATATAGTGCTCTCCTGGTCCCCTTCTACTTTGAACTGAAGATC
GCCTTCGTGATATGGCTGCTGTCCCCTTACACCAAGGGCTCCAGCGTGTCTACCGCAAGTTCGTGCACC
CAACGCTGTCCAACAAGGAGAAGGAGATCGACGAGTACATCACGCAGGCCGAGACAAGAGCTATGAGAC
CATGATGAGGGTGGCAAGAGGGCCTGAACCTTGCCGCAATGCTGCAGTACAGCTGCCGCAAGGGG
GTGCTGTCAGAGAAGCTCCGACGCTTACAGATGCAGGACCTGACCCCTGATCCGGGACGAGGACGACTGC
CCCTGCAGAGGCTGACGGCCGCTCCGACCCAGCCCTGGCAGCCTCCTGGACACCATCGAGGACTTAGG
AGATGACCCTGCCTGAGTCTAAGGTCCAGCACAAACCCGACAGATTCCCGGACAGAGGCTTCTGAGGAT
GACATGGGAGACAAAGCTCCAAGAGGGCCAAACCCATCAAAAAAGCGCCAAAGCTGAGCCACTGGCTT
CCAAGACTGAAGACCCGGCCCAAGAAGAAGACCTCTGGCGGGGGCGACTCAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202507 representing NM_016606
 Red=Cloning site Green=Tags(s)

MVSWIISRLVVLIFGTLYPAYSSYKAVKTKNVKEYVKWMMYWIVFAFTTAETLTDIVLSWFFPYFELKI
 AFVIWLLSPYTKGSSVL YRKFVHPTLSNKEKEIDEYITQARDKSYETMMRVGKRGLNLAANAAVTAAAKG
 VLSEKLRSFSMQDLTLIRDEDALPLQRPDGLRPSPGSLLDTIEDLGDDPALSLRSSTNPADSRTEASED
 DMGDKAPKRAKPIKKAPKAELASKTLKTRPKKTSGGGDSA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016606

ORF Size: 756 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_016606.4](#)

RefSeq Size: 2117 bp

RefSeq ORF: 759 bp

Locus ID: 51308

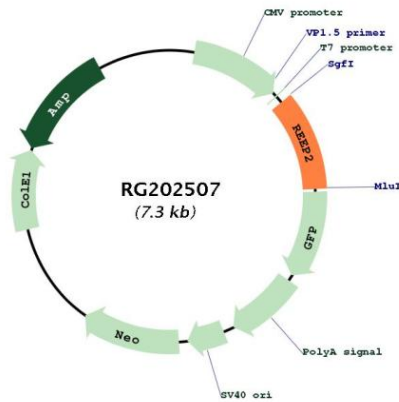
UniProt ID: [Q9BRK0](#)

Cytogenetics: 5q31.2

Protein Families: Druggable Genome, Transmembrane

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]

Product images:



Circular map for RG202507