

Product datasheet for RC231167

GPR33 (NM_001197184) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	GPR33
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231167 representing NM_001197184
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCTGATCAACTCTACTGATTACCTGATCAATGCCTCTACTTTAGTAAGAAACAGCACTCAGTTTC
TAGCTCCTGCATCAAAAATGATTATTGCCCTTTCTTTGTACATTTTCATCTATAATTGGTACCATCACAA
TGGCCTCTATCTATGGGTGCTAAGATTCAAGATGAAACAGACTGTCAATACTCTCTTATTTTTCATCTC
ATTCTCTCTTATTTTATTTCAACAATGATTCTGCCATTTATGGCCACCTCCCAACTTCAAGACAATCACT
GGAACCTTTGGAACCTGCCTTGTCGAAGGTCTTCAATGGCACTTTGTCTCTGGGATGTTCACTCTGTTTT
CTTCCTTTTCGGCCATCGGTCTTGATCGTTACCTTCTCACTCTTCAACCCAGTGTGGTCCCAGCAGCACCGA
ACCCCGCGCTGGGCTTCCAGCATTGCTGGGAGTCTGGATTTTCAGCCGCTGCCCTCAGCATCCCCATT
TGATTTTCAGAGAGACATCATGACCGTAAAGGAAAGGTGACTTGCCAAAATAACTATGCTGTGTCTAC
TAACTGGGAAAGCAAGGAGATGCAAGCATCAAGGCAGTGGATTATGTGGCCTGTTTCATCAGCCGCTTC
TTGCTGGGCTTTCTTCTGCCTTTCTTCATCATCATCTTTGTTATGAAAGAGTAGCCAGCAAGGTGAAAG
AGAGGAGCCTGTTTAAATCCAGCAAGCCCTTCAAAGTTATGATGACTGCCATTATCTCTTTCTTTGTGTG
TTGGATGCCCTACCATATACACCAGGGCTTACTTCTCACTACGAACCACTCACTACTTTAGAGTTGACT
TTGATACTTACAGTGCTAACCACTTCTTCAATACTATCTTTCTCCACACTCTACTTATTTGTTGGGG
AGAATTTCAAAAAGGTCTTCAAGAAGTCCATTCTTGCTCTGTTTGAGTCAACATTTAGTGAAGATTCTTC
TGTAGAAAGGACACAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC231167 representing NM_001197184
Red=Cloning site Green=Tags(s)

MDLINSTDYLINASTLVRNSTQFLAPASKMIIALSLYISSIIGTITNGLYLWVLRFKMKQTVNTLLFFHL
ILSYFISTMILPFMATSQLQDNHWNFGTALCKVFNGTSLGMFTSVFFLSAIGLDRYLLTLHPVWSQQHR
TPRWASSIVLGWISAAALSIPYLIFRETHDRKGKVCQNNYAVSTNWESEKMQASRQWIVACFISRF
LLGFLLPFFIIIFCYERVASKVKERSLFKSSKPFKVMMTAIISSFFVCWMPYHIHQGLLLTTNQSLLELT
LILTVLTTSFNTIFSPTLYLFVGENFKKFKKILALFESTFSEDSSVERTQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1275_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001197184

ORF Size: 999 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001197184.3](#)

RefSeq ORF: 1002 bp

Locus ID: 2856

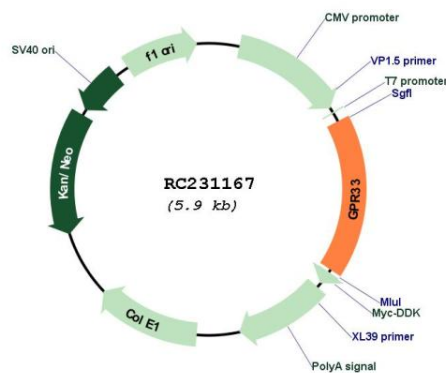
UniProt ID: [Q49SQ1](#)

Cytogenetics: 14q12

MW: 38.7 kDa

Gene Summary: This gene has been identified as an orphan chemoattractant G-protein-coupled receptors (GPCR) pseudogene. Studies have shown that the inactivated gene is present as the predominant allele in the human population. A small fraction of the human population has been found to harbor an intact allele.[provided by RefSeq, Oct 2010]

Product images:



Circular map for RC231167