

## Product datasheet for RC232517

### C5L2 (C5AR2) (NM\_001271749) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C5L2 (C5AR2) (NM_001271749) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C5L2
Synonyms:	C5L2; GPF77; GPR77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC232517 representing NM_001271749 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAACGATTCTGTCTCAGCTACGAGTATGGGGATTACAGCGACCTCTCGGACCGCCCTGTGGACTGCC  
TGGATGGCGCCTGCCTGGCCATCGACCCGCTGCGCGTGGCCCCGCTCCCACTGTATGCCGCCATCTTCT  
GGTGGGGTGGCGGCAATGCCATGGTGGCCTGGGTGGCTGGGAAGGTGGCCCGCGAGGGTGGGTGCC  
ACCTGGTTGCTCCACCTGGCCGTGGCGGATTTGCTGTGCTGTTTGTCTCTGCCCATCCTGGCAGTGCCCA  
TTGCCCGTGGAGGCCACTGGCCGTATGGTGCAGTGGGCTGTGGGCGCTGCCCTCCATCATCCTGCTGAC  
CATGTATGCCAGCGTCTGCTCCTGGCAGCTCTCAGTACCGACCTCTGCTTCTGGCTCTCGGGCCTGCC  
TGGTGGTCTACGGTTCAGCGGGCGTGCAGGTGGCTGTGGGGCAGCCTGGACACTGGCCTTGC  
TGCTCACCGTGGCCTCCGCCATCTACCGCCGGCTGCACCAGGAGCACTCCAGCCCGGCTGCAGTGTGT  
GGTGGACTACGGCGGCTCCTCCAGCACCAGAAATGCGGTGACTGCCATCCGGTTTCTTTTGGCTTCTGT  
GGGCCCTGGTGGCCGTGGTCACTGCCACAGTGGCCTCCTGTGCTGGGAGCCCGACGCTGCCGGCCGC  
TGGGCACAGCCATTGTGGTGGGGTTTTTGTCTGCTGGGACCCCTACCACCTGCTGGGCTGGTGTCTCAC  
TGTGGCGCCCGAACTCCGACTCCTGGCCAGGGCCCTGCGGGCTGAACCCCTCATCGTGGGCTTGGC  
CTCGCTCACAGCTGCCTCAATCCCATGCTTCTTCTGATTTTGGGAGGGCTCAACTCCGCGGTCAGTGC  
CAGCTGCCTGTCACTGGGCCCTGAGGGAGTCCAGGGCCAGGACGAAAGTGTGGACAGCAAGAAATCCAC  
CAGCCATGACCTGGTCTCGGAGATGGAGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232517 representing NM\_001271749  
Red=Cloning site Green=Tags(s)

MGNDSVSYEYGDYSDLSDRPVDCLDGACLAIDPLRVAPLPL YAAIFLVGVPGNAMVAWVAGKVARRRVGA  
 TWLLHLAVADLLCCLSLPILAVPIARGGHWPYGAVGCRALPSIILLTMYASVLLLAALSTDL CFLALGPA  
 WWSTVQRACGVQVACGAATLALLLTVPSAIYRRLHQEHFPARLQCVVDYGGSSSTENAVTAIRFLFGFL  
 GPLVAVVSCHSALLCWAARRCRPLGTAI VVGGFFVCWAPYHLLGLVLTVAAPNSALLARALRAEPLIVGLA  
 LAHSCLNPMLFLYFGRAQLRRSLPAACHWALRESQGDSESVDSKKSTSHDLVSEMEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6148\\_d05.zip](https://cdn.origene.com/chromatograms/mk6148_d05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001271749

**ORF Size:** 1011 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\\_001271749.1](#), [NP\\_001258678.1](#)

**RefSeq Size:** 1434 bp

**RefSeq ORF:** 1014 bp

**Locus ID:** 27202

**UniProt ID:** [Q9P296](#)

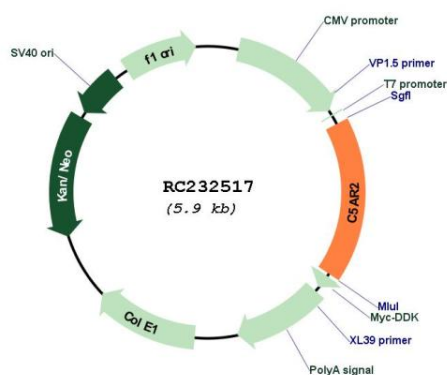
**Cytogenetics:** 19q13.32

**Protein Families:** Druggable Genome, GPCR, Transmembrane

**MW:** 36.1 kDa

**Gene Summary:** This gene encodes a G-protein coupled receptor 1 family member involved in the complement system of the innate immune response. Unlike classical G-protein coupled receptors, the encoded protein does not associate with intracellular G-proteins. It may instead modulate signal transduction through the beta-arrestin pathway, and may alternatively act as a decoy receptor. This gene may be involved in coronary artery disease and in the pathogenesis of sepsis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]

### Product images:



Circular map for RC232517