

Product datasheet for RC232518

C5L2 (C5AR2) (NM_001271750) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5L2 (C5AR2) (NM_001271750) 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:	>RC232518 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

RCATGGGGAACGATTCTGTCTCAGCTACGAGTATGGGGATTACAGCGACCTCTCGGACCGCCCTGTGGACTG
CCTGGATGGCGCCTGCCTGGCCATCGACCCGCTGCGCGTGGCCCCGCTCCACTGTATGCCGCCATCTTC
CTGGTGGGGTGCCGGCAATGCCATGGTGGCCTGGGTGGCTGGGAAGGTGGCCCGCGGAGGGTGGGTG
CCACCTGGTTGCTCCACCTGGCCGTGGCGGATTTGCTGTGCTGTTTGTCTCTGCCATCCTGGCAGTGCC
CATTGCCCGTGGAGGCCACTGGCCGTATGGTGCAGTGGGCTGTGGGCGCTGCCCTCCATCATCCTGCTG
ACCATGTATGCCAGCGTCTGCTCCTGGCAGCTCTCAGTACCGACCTCTGCTTCTGGCTCTCGGGCCTG
CCTGGTGGTCTACGGTTACGCGGCGTGCAGGGTGCAGGTGGCCTGTGGGCGAGCCTGGACACTGGCCTT
GCTGCTACCGTGCCTCCGCCATCTACCGCCGGCTGCACCAGGAGCACTTCCCAGCCCGGCTGCAGTGT
GTGGTGGACTACGGCGGCTCCTCCAGCACCAGAGAATGCGGTGACTGCCATCCGGTTTCTTTTGGCTTCC
TGGGGCCCTGGTGGCGTGGTCCAGTGCACAGTGCCTCCTGTGCTGGGACCCGACGCTGCCGGCC
GCTGGGCACAGCATTGTGGTGGGGTTTTTGTCTGCTGGGACCCCTACCACCTGCTGGGCTGGTGCTC
ACTGTGGCGGCCCGAACTCCGCACTCCTGGCCAGGCCCTGCGGGCTGAACCCCTCATCGTGGGCTTG
CCCTCGCTCACAGTGCCTCAATCCATGCTCTTCTGTATTTTGGGAGGGCTCAACTCCGCCGGTCACT
GCCAGTGCCTGTCACTGGGCCCTGAGGGAGTCCAGGGCCAGGACGAAAGTGTGGACAGCAAGAAATCC
ACCAGCCATGACCTGGTCTCGGAGATGGAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232518 protein sequence
Red=Cloning site Green=Tags(s)

XWGTILSATSMGITATSRTALWTAWMAPAWPSTRCAWPRSHCMPPSSWWGCRAMPWWPGWLGRWPAGGWV
 PPGCSTWPWRICCAVCLCPVQWQCLPVEATGRMVQWAVGRCPPSSC*PCMPASCSWQLSVPTSASWLSGL
 PGGLRFSGRAGCRWPVGPQGHWPCCSPCPPSTAGCTRSTSQPGCSVWWTAAAPPAPRMR*LPSGFFLAS
 WGPWWPWSAATVPSCAGQPDAAGRWAQPLWWGFLSAGHPPTTCWGWCSLWRPRTPHSWPGPCGLNPSSWAL
 PSLTAASIPCCSSCILGGLNSAGHCQLPVTGP*GSPRARTKVWTARNPPAMTWSRRWR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6148_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001271750

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_001271750.1](#), [NP_001258679.1](#)

RefSeq Size: 1357 bp

RefSeq ORF: 1014 bp

Locus ID: 27202

UniProt ID: [Q9P296](#)

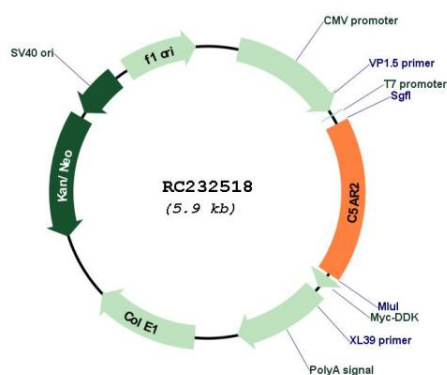
Cytogenetics: 19q13.32

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 RC232518