

Product datasheet for **MG217137**

C5ar2 (NM_176912) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C5ar2 (NM_176912) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: C5ar2
Synonyms: C5L2; E030029A11Rik; Gpr77
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217137 representing NM_176912
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATATGAGGGGCTGGGAGACGGGTGTCTGGGGCCAGAATGATGAACCACACCACCAGCGAGTATT
ATGACTATGAGTATGACCATGAACACTACAGTGACCTCCGGACGTGCCCGTAGACTGCCAGCTGGCAC
CTGCTTCACTAGTGATGTCTACCTGATAGTCTGCTTGTGCTGTATGCAGCCGTCTTCTGGTGGGTGTG
CCAGGCAACACCCTGGTGGCGTGGGTGACCTGAAAGAGTCCCGCACAGGCTTGGGGCCTCTTGGTTCC
TGCACCTGACCATGGCCGACTTGTCTTGTGTGTCTCTGCCCTTCTGGCTGTGCCCATCGCCAAAA
GGGCCACTGGCCATACGGGGCGGAGGCTGCTGGCTGTTGTCTCCATCACCATTCTGTCTATGTATGCC
AGTGTGCTGCTCCTGACCGGCCTCAGCGGAGACCTCTTCTACTGGCTTTCAGGCCCTCCTGGAAGGGTG
CAGATCATCGAACATTTGGGGTGCCTGTGGTCCAGGCCTCCTCCTGGATGCTGGGCCTCTTGTGACTGT
GCCTTCTGCTGTCTACCGTAGGCTGCTTCAGGAGCACTATCCTCCCCGACTTGTGTGTGGCATTAGACTAT
GGGGATCGGTGAGCGCCGAGGTTGCCATCACCAGTGTTCGATTCCTCTTGGCTTCTGGGGCCATTGG
TGTTCAATGGCCGGTGTACGGCATCCTCAACGGCAGATGGCCCGCCGCAATGGCCCTGGGCACAGC
TGTCGTGGTGGGTTTTTCATTTGCTGGACCCCTTATCACGTCTGCGGGTAATCATTGCAGCGGCTCCT
CCGCACTCCTTGTCTCCTCGCCGGTCTGGAGCGGAGCCTCTGTTAATGGCCTGGCCCTGGCTCACA
GTGCTCTCAATCCATAATGTTTTGTATTTTCGGAAGAAAACAACCTCTGCAAGTCACTCCAGGCTGCATG
CCTACTGGCCCTGAGGATCCACAGGATGAGGAAAGTGGCGGTGACCAAGGTATCCATATCCACCAGCCAC
GAAATGGTGTCTGAGATGCCGGT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217137 representing NM_176912
Red=Cloning site Green=Tags(s)

MKYEGLGDGCLGARMNHTTSEYYDYEYDHEHYSDDLDPVPVDCPAGTCFTSDVYLIVLLVLYAAVFLVGV
 PGNTLVAVYTWKESRHLGASWFLHLMADLLCCVSLPFLAVPIAQKGHPYGAAGCWLLSSITILSMYA
 SVLLL TGLSGDLFLLAFRPSWKGADHRTFGVRRVQASSWMLG LLLTVPSAVYRRLLQEHYPPRLVCGIDY
 GGSVSAEVAITTVRFLFGFLGPLVFMAGCHGILQRQMARRHWPLGTAVVVGFFICWTPYHVLRVIIAAAP
 PHSLLLARVLEAEPLFNGLALAHSA LNPIMFLYFGRKQLCKSLQAACHWALRDPQDEESAVTKVSI STSH
 EMVSEMPV

TRTRPLE - GFP Tag - V

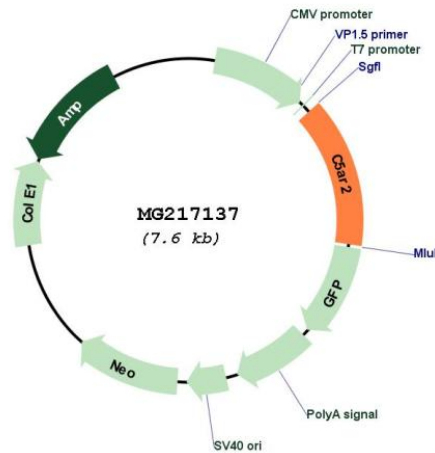
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_176912

| | |
|-------------------------------|---|
| ORF Size: | 1074 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: | <ol style="list-style-type: none">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_176912.4 , NP_795886.2 |
| RefSeq Size: | 3522 bp |
| RefSeq ORF: | 1077 bp |
| Locus ID: | 319430 |
| UniProt ID: | Q8BW93 |
| Cytogenetics: | 7 A2 |
| Gene Summary: | Receptor for the chemotactic and inflammatory C3a, C4a and C5a anaphylatoxin peptides and also for their dearginated forms ASP/C3adesArg, C4adesArg and C5adesArg respectively. Couples weakly to G(i)-mediated signaling pathways (By similarity).[UniProtKB/Swiss-Prot Function] |