

## Product datasheet for **MC214409**

### C5ar2 (NM\_001146005) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C5ar2 (NM\_001146005) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** C5ar2  
**Synonyms:** C5L2; E030029A11Rik; Gpr77  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC214409 representing NM\_001146005  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGAGGCAGAGAACAGCGCAGCCGGTGTCTGGGGGCCAGAATGATGAACCACACCACCAGCGAGTATT  
ATGACTATGAGTATGACCATGAACACTACAGTGACCTCCGGACGTGCCCGTAGACTGCCAGCTGGCAC  
CTGCTTCACTAGTGATGTCTACCTGATAGTCCTGCTTGTGCTGTATGCAGCCGTCTCTGGTGGGTGTG  
CCAGGCAACACCCTGGTGGCGTGGGTGACCTGGAAAGAGTCCCGCCACAGGCTTGGGGCCTCTTGGTTCC  
TGCACCTGACCATGGCCGACTTGCTTTGTGTGTGTCTCTGCCCTTCTGGCTGTGCCCATCGCCAAAA  
GGGCCACTGGCCATACGGGGCGGCAGGCTGCTGGCTGTTGCTCCATCACCATTCTGTCTATGTATGCC  
AGTGTGCTGCTCCTGACCGGCCTCAGCGGAGACCTCTTCTACTGGCTTTCAGGCCCTCCTGGAAGGGTG  
CAGATCATCGAACATTTGGGGTGCCTGTGGTCCAGGCCTCCTCCTGGATGCTGGGCCTCTGTGACTGT  
GCCTTCTGCTGTCTACCGTAGGCTGCTTACAGGAGCACTATCTCCCGACTTGTGTGTGGCATAGACTAT  
GGGGATCGGTCAGCGCCGAGGTTGCCATCACCAGTTCGATTCCTCTTGGCTTCTGGGGCCATTGG  
TGTTTCATGGCCGTTGTACGGCATCTCAACCGGCAGATGGCCCGCCGCAATTGGCCCTGGCCACAGC  
TGTCTGTGGTGGGTTTTTCATTTGCTGGACCCCTTATCAGTCTCCTGCGGTAATCATTGCAGCGGCTCCT  
CCGCACTCCTTGTCTCCTCGCCGGTCTGGAGGCGGAGCCTCTGTTAATGGCCTGGCCCTGGCTCACA  
GTGCTCTCAATCCATAATGTTTTGTATTTCCGGAAGAAAACACTCTGCAAGTCACTCCAGGCTGCATG  
CCACTGGGCCCTGAGGGATCCACAGGATGAGGAAAGTGCGGTGACCAAGGTATCCATATCCACCAGCCAC  
GAAATGGTGTCTGAGATGCCGGT**TAG**

**ACGGCT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001146005



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<b>Insert Size:</b>	1077 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001146005.1</a></u> , <u><a href="#">NP_001139477.1</a></u>
<b>RefSeq Size:</b>	3429 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	319430
<b>UniProt ID:</b>	<u><a href="#">Q8BW93</a></u>
<b>Cytogenetics:</b>	7 A2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (2) has a distinct N-terminus but is the same length as isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>