

## Product datasheet for **MG218555**

### C5ar2 (NM\_001146005) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C5ar2 (NM\_001146005) 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:** >MG218555 representing NM\_001146005  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGAGAGGCAGAGAACAGCGCAGCCGGTGTCTGGGGGCCAGAATGATGAACCACACCACCAGCGAGTATT  
 ATGACTATGAGTATGACCATGAACACTACAGTGACCTCCGGACGTGCCCGTAGACTGCCAGCTGGCAC  
 CTGCTTCACTAGTGATGTCTACCTGATAGTCTGCTTGTGCTGTATGCAGCCGTCTTCTGGTGGGTGTG  
 CCAGGCAACACCCTGGTGGCGTGGGTGACCTGGAAGAGTCCCGCACAGGCTTGGGGCCTCTTGGTTCC  
 TGCACCTGACCATGGCCGACTTGTCTTGTGTGTCTCTGCCCTTCTGGCTGTGCCCATCGCCAAAA  
 GGGCCACTGGCCATACGGGGCGGAGGCTGCTGGCTGTTGTCTCCATCACCATTCTGTCTATGTATGCC  
 AGTGTGCTGCTCCTGACCGGCCTCAGCGGAGACCTCTTCTACTGGCTTTCAGGCCCTCCTGGAAGGGTG  
 CAGATCATCGAACATTTGGGGTGCCTGTGGTCCAGGCCTCCTCCTGGATGCTGGGCCTCTTGTGACTGT  
 GCCTTCTGCTGTCTACCGTAGGCTGCTTCCAGGAGCACTATCCTCCCCGACTTGTGTGTGGCATAGACTAT  
 GGGGATCGGTGAGCGCCGAGGTTGCCATCACCCTGTTTCGATTCCTCTTGGCTTCTGGGGCCATTGG  
 TGTTTCATGGCCGGTGTACGGCATCCTCCAACGGCAGATGGCCCGCCGCAATTGGCCCTGGGCACAGC  
 TGTCGTGGTGGGTTTTTCATTTGCTGGACCCCTTATCACGTCTGCGGGTAATCATTGCAGCGGCTCCT  
 CCGCACTCCTTGTCTCCTCGCCGGTCTGGAGCGGAGCCTCTGTTTAAATGGCCTGGCCCTGGCTCACA  
 GTGCTCTCAATCCATAATGTTTTGTATTTTCGGAAGAAAACAACCTCTGCAAGTCACTCCAGGCTGCATG  
 CCACTGGCCCTGAGGGATCCACAGGATGAGGAAAGTGGCGGTGACCAAGGTATCCATATCCACCAGCCAC  
 GAAATGGTGTCTGAGATGCCGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218555 representing NM\_001146005  
Red=Cloning site Green=Tags(s)

MRGREQSRCLGARMNHTTSEYYDYEYDHEHYSDDLDPVPVDCPAGTCFTSDVYLIVLLVLYAAVFLVGV  
 PGNTLVAVYTWKESRHLGASWFLHLMADLLCCVSLPFLAVPIAQKGHPYGAAGCWLLSSITILSMYA  
 SVLLL TGLSGDLFLLAFRPSWKADHRTFGVRRVQASSWMLG LLLTVPSAVYRRLLQEHYPPRLVCGIDY  
 GGSVSAEVAITTVRFLFGFLGPLVFMAGCHGILQRQMARRHWPLGTAVVVGFFICWTPYHVLRVIIAAAP  
 PHSLLLARVLEAEPLFNGLALAHSA LNPIMFLYFGRKQLCKSLQAACHWALRDPQDEESAVTKVSI STSH  
 EMVSEMPV

TRTRPLE - GFP Tag - V

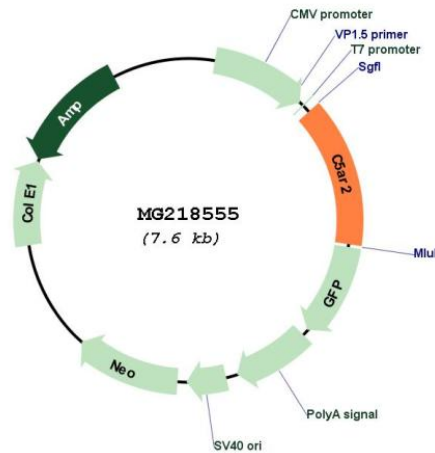
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001146005

<b>ORF Size:</b>	1074 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001146005.1</a> , <a href="#">NP_001139477.1</a>
<b>RefSeq Size:</b>	3429 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	319430
<b>UniProt ID:</b>	<a href="#">Q8BW93</a>
<b>Cytogenetics:</b>	7 A2
<b>Gene Summary:</b>	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]