

Product datasheet for MC208207

C5ar1 (NM_001173550) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C5ar1 (NM_001173550) Mouse Untagged Clone
Tag: Tag Free
Symbol: C5ar1
Synonyms: C5aR; C5r1; Cd88; D7Msu1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208207 representing NM_001173550
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCATAGATAACAGCAGCTTTGAAATCAACTATGATCACTATGGAACCATGGATCCTAACATAC
 CTGCGGATGGCATTACCTCCCGAAGCGGCAACCTGGGGATGTTGCAGCCCTTATCATCTACTCGGTGGT
 GTTCTGGTGGGAGTACCTGGGAATGCCCTGGTGGTGTGGGTGACAGCCTTCGAGGCCAGACGGGCCGTC
 AACGCCATCTGGTTTCTGAATCTGGCGGTGGCCGACCTCCTCTCGTGCTTGGCACTGCCTGTCTGTTC
 CGACCGTTTTAAATCATAACTACTGGTACTTTGATGCCACCGCCTGTATAGTCTGCCCTCGCTCCTCCT
 GCTCAACATGTACGCCAGTATCCTGCTGCTGGCTACCATAGTCCGACCGTTTCTGCTGGTGTCAAG
 CCCATCTGGTGTGAGAAGGTCCGCGGGACTGGCCTGGCATGGATGGCCTGTGGAGTGGCCTGGGTCTTAG
 CATTGCTCCTCACCATTCCATCCTTCGTGTACCGGGAGGCATATAAGGACTTCTACTCAGAGCACACTGT
 ATGTGGTATTAACATATGGTGGGGTAGCTTCCCAAAGAGAAGGCTGTGGCCATCCTGCGGCTGATGGTG
 GGTTTTGTGTGCCTCTGCTCACTCTAAACATCTGCTACACCTTCTCCTGCTCCGGACCTGGAGTCGA
 AGGCCACGCGCTCCACCAAGACGCTCAAAGTGGTATGGCTGTGGTCTGTTTCTTTATCTTCTGGCT
 GCCATCAGGTGACCGGGTGTGATAGCGTGGCTGCCCGTCTCGCCACCTTGAAGAGGGTGGAG
 AAGCTGAACTCCCTGTGCGTGTCCCTGGCTACATCAACTGCTGTGTTAACCCATCATCTACGTATGG
 CTGGCCAGGGTTTCCATGGACGACTCCTAAGGTCTCTCCCAGCATCATACGAAACGCTCTCTCTGAGGA
 TTCAGTGGGCAGGGATAGCAAGACTTCTACTCCGTCCACGACGGACACCTCAACCCGGAAGATCAGGCC
 GTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001173550



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Insert Size:	1056 bp
OTI Disclaimer:	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).
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:	<u>NM_001173550.1</u> , <u>NP_001167021.1</u>
RefSeq Size:	2540 bp
RefSeq ORF:	1056 bp
Locus ID:	12273
UniProt ID:	<u>P30993</u>
Cytogenetics:	7 8.77 cM
Gene Summary:	<p>Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a. The ligand interacts with at least two sites on the receptor: a high-affinity site on the extracellular N-terminus, and a second site in the transmembrane region which activates downstream signaling events. Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR, as compared to variant 1.</p> <p>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>