

Product datasheet for MR218555

C5ar2 (NM_001146005) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5ar2 (NM_001146005) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C5ar2
Synonyms:	C5L2; E030029A11Rik; Gpr77
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218555 representing NM_001146005 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGGCAGAGAACAGCGCAGCCGGTGTCTGGGGCCAGAATGATGAACCACACCACCAGCGAGTATT
ATGACTATGAGTATGACCATGAACACTACAGTGACCTCCGGACGTGCCGTAGACTGCCAGCTGGCAC
CTGCTTCACTAGTGATGTCTACCTGATAGTCTGCTTGTGCTGTATGCAGCCGTCTTCTGGTGGGTGTG
CCAGGCAACACCCTGGTGGCGTGGGTGACCTGAAAGAGTCCCGCACAGGCTTGGGGCCTCTTGGTTCC
TGCACCTGACCATGGCCGACTTGTCTTGTGTGTCTCTGCCCTTCTGGCTGTGCCCATCGCCAAAA
GGCCACTGGCCATACGGGGCGGAGGCTGCTGGCTGTTGTCTCCATCACCATTCTGTCTATGTATGCC
AGTGTGCTGCTCCTGACCGGCCTCAGCGGAGACCTCTTCTACTGGCTTTCAGGCCCTCCTGGAAGGGTG
CAGATCATCGAACATTTGGGGTGCCTGTGGTCCAGGCCTCCTCCTGGATGCTGGGCCTCTTGTGACTGT
GCCTTCTGCTGTCTACCGTAGGCTGCTTCCAGGAGCACTATCCTCCCCGACTTGTGTGTGGCATAGACTAT
GGGGATCGGTGAGCGCCGAGGTTGCCATCACCAGTCTCGATTCTCTTGGCTTCTGGGGCCATTGG
TGTTTATGGCCGGTGTGACGGCATCTCCAACGGCAGATGGCCCGCCGCAATTGGCCCTGGGCACAGC
TGTGCTGGTGGGTTTTTCATTTGCTGGACCCCTTATCACGTCTGCGGGTAATCATTGCAGCGGCTCCT
CCGCACTCCTTGTCTCCTCGCCGGTCTGGAGCGGAGCCTCTGTTAATGGCCTGGCCCTGGCTCACA
GTGCTCTCAATCCATAATGTTTTGTATTTTCGGAAGAAAACAACCTCTGCAAGTCACTCCAGGCTGCATG
CCTGCGCCCTGAGGATCCACAGGATGAGGAAAGTGGCGTGACCAAGGTATCCATATCCACCAGCCAC
GAAATGGTGTCTGAGATGCCGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR218555 representing NM_001146005
 Red=Cloning site Green=Tags(s)

MRGREQRSRCLGARMNHTTSEYYDYEYDHEHYSIDLDPVVDPCAGTCFTSDVYLIVLLVLYAAVFLVGV
 PGNTLVAVVTWKESRHLGASWFLHLTMADLLCCVSLPFLAVPIAQKGHPYGAAGCWLLSSITILSMYA
 SVLLLTLGSGDLFLLAFRPSWKGADHRTFGVRRVQASSWMLGLLLTPSAVYRLLQEHYPPRLVCGIDY
 GGSVSAEVAITTVRFLFGFLGPLVFMAGCHGILQRQMARRHWPLGTAVVVGFFICWTPYHVLRVIIAAAP
 PHSLLLARVLEAEPLFNGLALAHSAALNPIMFLYFGRKQLCKSLQAACHWALRDPQDEESAVTKVSIKSTSH
 EMVSEMPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9019_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001146005

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:

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_001146005.1](#), [NP_001139477.1](#)

RefSeq Size: 3429 bp

RefSeq ORF: 1077 bp

Locus ID: 319430

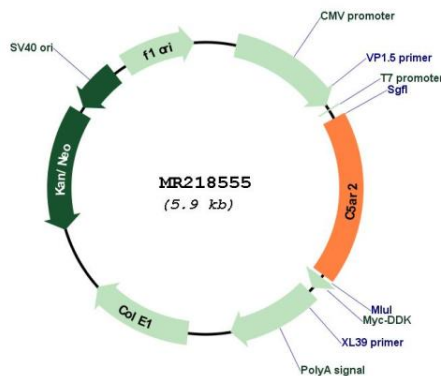
UniProt ID: [Q8BW93](#)

Cytogenetics: 7 A2

MW: 40.3 kDa

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]

Product images:



Circular map for MR218555