

Product datasheet for **RR210813**

C3ar1 (NM_032060) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3ar1 (NM_032060) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C3ar1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR210813 representing NM_032060
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGTCTTTACTGCTGACACCAACTCAACTGACCTACACTCACGGCCTCTGTTTAAACCCCAAGACA
 TTGCCTCCATGGTCATTCTCAGTCTCAGTGTTTATTGGGACTGCCAGGCAATGGGCTGGTGTGGGT
 CGCTGGCGTAAAGATGAAGAGGACCGTGAACACAGTCTGGTTCCTCCACCTCACCTGGCCGATTTCCTC
 TGCTGCCTCTCCTTGCCCTTCTCCGTGGCTCACCTGATTCTCCGAGGACTGGCCCTATGGCTTGTTC
 TGTGCAAACCTTATCCCGTCCGTCATTATCCTCAACATGTTTGCCAGTGTCTTCTGCTTACTGCCATTAG
 CCTGGACCGCTGTCTGATGGTGCACAAGCCGATCTGGTCCAGAACCATCGGAGCGTGAGAACAGCCTTC
 GCCGTCTGTGGATGCGTCTGGGTGGTAACCTTTGTGATGTGTATACCGGATTTGTATACCGTGTCTGC
 TCGTTGTGGATGATTACAGTGTATGTGGCTATAACTTTGATTCTCCAGGGCATATGATTATTGGGACTA
 CATGTACAATTCACATCTACCAGAAATCAACCCTCTGACAACTCCACTGGACATGTGGATGACAGGACA
 GCTCCTCCTCCTCTGTACCAGCAAGGGACCTTTGGACAGCTACCACTGCTCTCCAGTCAAAACGTTCC
 ACACATCTCCTGAAGACCCATTCTCTAAGACTCAGCAAGTCAGCAACCCATTATGGGGGAAGCCTCC
 TACTGTGCTCATAGCCACCATACCCGGCGGGTTTCTGTTGAAGATCATAAATCCAACACTGAACACT
 GGTGCTTTTCTCTCTGCCACACAGAGCCGTCCTCACTGCTTCTAGCAGTCCTTATACGCCCATGATT
 TCCCGGATGATTATTTGACCAACTGATGTATGGCAATCACGCGTGGACACCTCAGGTGGCAATCACCAT
 CTCGAGGCTGGTGGTGGCTTCTGGTGCCTTTTTCATCATGATAACCTGTTACAGCCTCATCGTCTTC
 AGAATGCGAAAAACCACTCACCAAGTCGAGGAACAAAACCTTCGGGTGGCCGTGGCGGTGGTCACCG
 TCTTTTGTCTGCTGGATTCCATACCATATTGTGGAATCCTGTTAGTGATTACTGACCAAGAAAGCGC
 CTTGAGAGAAGTTGTGCTACCCTGGGACCACATGTCCATTGCTTTAGCATCTGCCAATAGTTGTTTCAAC
 CCTTCTTTTATGCCCTTGGGAAAAGACTTCAGGAAGAAAGCAAGACAGTCCGTAAGGGCATTCTGG
 AAGCAGCCTTCAGCGAAGAGCTCACGCACTCTACCAGTTGTACCAGGACAAAGCCCTCAAAAAGAAA
 CCATATGAGTACGGATGTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210813 representing NM_032060
 Red=Cloning site Green=Tags(s)

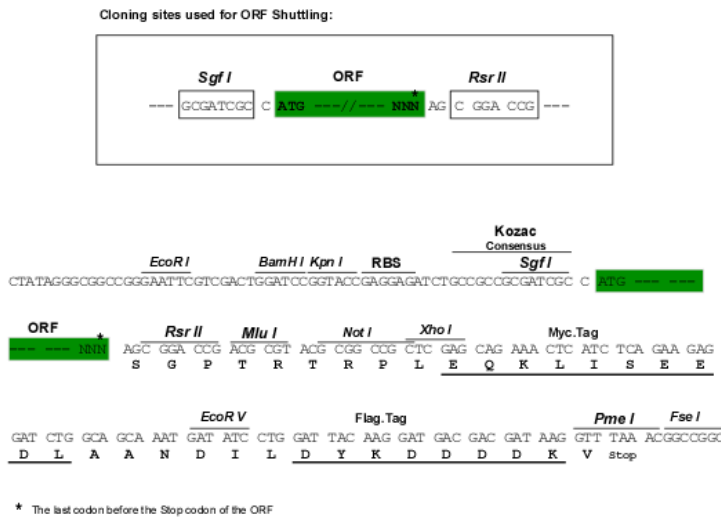
MESFTADTNSTDLHSRPLFKPQDIASMVILSLTCLLGLPGNGLVWVAGVKMKRTVNTVWFLHLTLADFL
 CCLSLPFSVAHLILRGHWPYGLFLCKLIPSVIILNMFASVFLLTAISLDRCLMVHKPIWCQNHRSVRTAF
 AVCGCVWVVFVVCIPVFVYRDLLVDDYSVCGYNFSSRAYDYWDYMYNSHLPINPPDNSTGHVDDRT
 APSSSVPARDLWTATTALQSQTFHTSPEDPFSQDSASQPHYGGKPPVLIATIPGGFPVEDHKSNTLNT
 GAFLSAHTEPSLTASSSPLYAHDFPDDYFDQLMYGNHAWTPQVAITISRLVVGFLVPPFFIMITCYSLIVF
 RMRKTNLTKSRNKTLRVAVAVVTVFVVCWIPYHIVGILLVITDQESALREVVLPWDHMSIALASANSFCFN
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SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

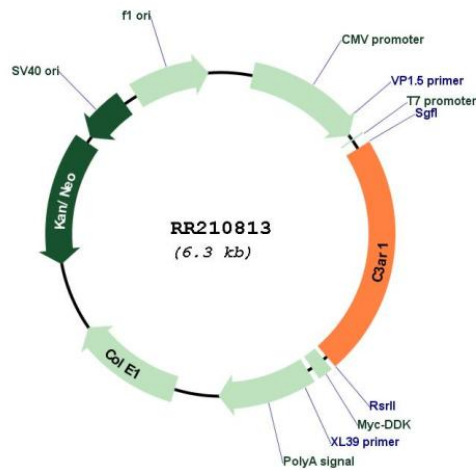
Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_032060

ORF Size: 1419 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_032060.1](#), [NP_114449.1](#)

RefSeq Size: 2093 bp

RefSeq ORF: 1422 bp

Locus ID: 84007

UniProt ID: [O55197](#)

Cytogenetics: 4q42

MW: 52.9 kDa

Gene Summary: receptor for anaphylatoxin complement component C3a, [RGD, Feb 2006]