

Product datasheet for **MR207645**

C3ar1 (NM_009779) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3ar1 (NM_009779) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C3ar1
Synonyms:	AZ3B; C3AR; HNFAG09
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207645 representing NM_009779
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGTCTTTTCGATGCTGACACCAATTCAACTGACCTACACTCACGGCCTCTGTTTCAACCCCAAGACA
 TTGCCTCCATGGTCATTCTTGGTCTCACTTGTCTATTGGGACTGCTAGGCAATGGGCTGGTCTGTGGT
 AGCTGGCGTAAAGATGAAGACGACCGTGAACACAGTCTGGTTCCTCCATCTCACCTGGCCGATTTCCTC
 TGCTGCCTCTCCTTGGCCTTCTCCTTGGCTCACCTGATTCTCCAAGGACACTGGCCCTATGGCTTGTTC
 TGTGCAAACCTTATCCCATCCATCATTATTCTCAACATGTTTCCAGTGTCTTCTGCTTACTGCCATTAG
 CCTGGACCGATGTCTGATAGTACATAAGCCAATCTGGTCCAGAATCATCGAAACGTGAGAACCCGCTTC
 GCCATCTGTGGATGTGTCTGGTGGTAGCCTTTGTGATGTGTGTGCCGATTTTGTATACCGTGATCTGT
 TCATTATGGACAATCGCAGTATATGTAGATATAATTTTGATTCTCCAGGTCATATGATTATTGGGACTA
 CGTGTACAAACTAAGTCTACCAGAAAGCAATTCTACTGATAACTCCACTGCTCAGCTAACTGGACATATG
 AATGACAGGTGAGCTCCTTCTCTGTACAGGCAAGGGATTACTTTTGGACAGTTACCACTGCCCTCCAGT
 CACAGCCATTCTAACATCTCCTGAAGACTCATTCTCTCTAGATTACGAAACCAACAACCCATTATGG
 TGGAAAGCCTCCTAATGTCTCACAGCCGCGTACCCAGCGGGTTTCTGTTGAAGATCGTAAATCCAAT
 ACACTGAACGCTGACGCTTTTCTCTGCTCACACAGAACTTTTCCCTACTGCTTCTAGTGGTCATTTAT
 ACCCCTATGATTTCCAGGGGGATTATGTTGACCAATTCACGTATGACAATCATGTGCCGACACCGCTGAT
 GGCAATAACCATCACAAGGCTGGTGGTGGGCTTCTGGTGGCCTTTTTCATCATGGTAATTTGTTACAGC
 CTCATCGTCTTCAGAATCGCAAAACCAACTTCACCAAGTCTCGGAACAAAACCTTTCGGGTGGCTGTGG
 CTGTGGTCACTGCTTTTTTATCTGCTGGACTCCATACCATCTGTGCGAGTCTGCTATTGATTACTGA
 TCCAGAAAAGTTCCCTTGGGGGAAGCTGTGATGTCCTGGGACCACATGTCCATTGCTTTAGCATCTGCCAAT
 AGTTGCTTCAACCTTCTGTATGCCCTCTTGGGAAAAGACTTTAGGAAGAAAGCAAGACAGTCTATAA
 AGGGCATTCTGGAAGCAGCCTTCAGCGAAGAGCTCACGCACTCTACCAACTGTACCCAAGACAAAGCCTC
 TTCAAAAAGAAACAATATGAGTACAGATGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207645 representing NM_009779
 Red=Cloning site Green=Tags(s)

MESFDADTNSTDLSRPLFQPQDIASMVILGLTCLLGLLGNLVLWVAGVKMKTTVNTVWFLHLTLADFL
 CCLSLPFLAHLILQGHWPYGLFLCKLIPSIILNMFAVFLTAISLDRCLIVHKPIWCQNHRNVRTAF
 AICGCVVWVAFVMCPVFVYRDLFIMDNRSICRYNFDSSRSYDYDYVYKLSLPESNSTDNSTAQLTGHM
 NDRSAPSSVQARDYFWTVTTALQSQPFLTSPEDSFSLDSANQQPHYGGKPPNVLTAAVPSGFPVEDRKS
 NTLNADAFLSAHTELFPTASSGHLYPYDFQGDYVDQFTYDNHVPPLMAITITRLVVGFLVPFFIMVICYS
 LIVFRMRKTNFTKSRNKTFRVAVAVTVFFICWTPYHLVGVLLITDPESLGEAVMSWDHMSIALASAN
 SCFNPFYALLGKDFRKKARQSIKIGILEAAFSEELTHSTNCTQDKASSKRNMSTDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9075_a01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_009779

ORF Size: 1431 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_009779.2, NP_033909.1](#)

RefSeq Size: 4299 bp

RefSeq ORF: 1434 bp

Locus ID: 12267

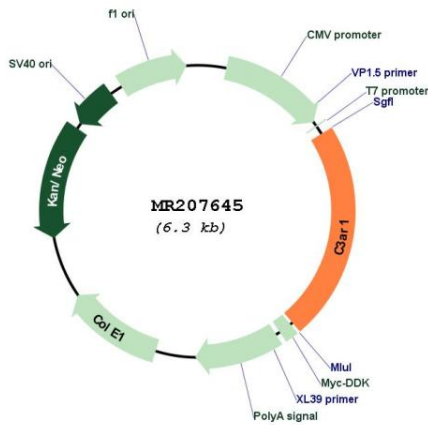
UniProt ID: [O09047](#)

Cytogenetics: 6 F2

MW: 53.6 kDa

Gene Summary: Receptor for the chemotactic and inflammatory peptide anaphylatoxin C3a. This receptor stimulates chemotaxis, granule enzyme release and superoxide anion production. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207645