

Product datasheet for **RG204730**

C3AR1 (NM_004054) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3AR1 (NM_004054) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C3AR1
Synonyms:	AZ3B; C3AR; HNFAG09
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204730 representing NM_004054
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCTTTCTCTGCTGAGACCAATTCAACTGACCTACTCTCACAGCCATGGAATGAGCCCCAGTAA
 TTCTCTCCATGGTCATTCTCAGCCTTACTTTTTACTGGGATTGCCAGGCAATGGCTGGTCTGTGGT
 GGCTGGCCTGAAGATGCAGCGGACAGTGAACACAATTTGGTTCCTCCACCTCACCTTGGCGGACCTCCTC
 TGCTGCCTCTCCTTGCCCTTCTCGCTGGCTCACTTGGCTCTCCAGGGACAGTGGCCCTACGGCAGGTTC
 TATGCAAGCTCATCCCCTCCATCATTGTCTCAACATGTTTCCAGTGTCTTCTGCTTACTGCCATTAG
 CCTGGATCGTGTCTTGTGGTATTCAAGCCAATCTGGTGCAGAATCATCGCAATGTAGGGATGGCTGC
 TCTATCTGTGGATGTATCTGGTGGTGGCTTTGTGATGTGCATTCTGTGTTCCGTACCGGAAATCT
 TCACTACAGACAACCATAATAGATGTGGCTACAAATTTGGTCTCTCCAGCTCATTAGATTATCCAGACTT
 TTATGGAGATCCACTAGAAAACAGTCTCTTGA AACATTGTTTCCAGCCCTGGAGAAATGAATGATAGG
 TTAGATCCTTCTCTTTCCAAACAAATGATCATCCTTGGACAGTCCCCTGTCTTCCAACCTCAAACAT
 TTCAAAGACCTTCTGCAGATCACTCCCTAGGGTTCTGCTAGGTTAACAAAGTCAAAATCTGATTCTAA
 TGTATTTAAACCTGCTGATGTGGTCTCACCTAAAATCCCCAGTGGGTTTCTATTGAAGATCACGAAAC
 AGCCCACTGGATAACTCTGATGCTTTTCTCTACTCATTTAAAGCTGTTCCCTAGCGCTTCTAGCAATT
 CCTTCTACGAGTCTGAGTACCACAAGGTTTCCAGGATTATTACAATTTAGGCCAATTCACAGATGACGA
 TCAAGTGCCAACCCCTCGTGGCAATAACGATCACTAGGCTAGTGGTGGGTTTCTGCTGCCCTCTGTT
 ATCATGATAGCCTGTTACAGCTTCATTGTCTTCCGAATGCAAAGGGCCGCTTCGCAAGTCTCAGAGCA
 AAACCTTTCGAGTGGCCGTGGTGGTGGTGTCTTTTCTGTCTGCTGGACTCCATACCACATTTTGG
 AGTCTGTCAATTGCTTACTGACCCAGAACTCCCTTGGGAAAACCTCTGATGCTCTGGGATCATGTATGC
 ATTGCTCTAGCATCTGCCAATAGTTGCTTAAATCCCTTCTTTATGCCCTCTGGGAAAGATTTTAGGA
 AGAAAGCAAGGCAGTCCATTCAGGGAATCTGGAGGCAGCCTTCAGTGGAGGCTCACACGTTCCACCCA
 CTGTCCCTCAAACATGTCATTTAGAAAAGAAATAGTACAACCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204730 representing NM_004054
 Red=Cloning site Green=Tags(s)

MASFSAETNSTDLLSQPWNEPPVILSMVILSLTFLLGLPGNGLVLWVAGLKMQRVNTIWFHLTLADLL
 CCLSLPFLAHLALQGQWPYGRFLCKLIPSIIVLNMFAVFLLTALSLDRCLVVFVKPIWCQNHRNVGMAC
 SICGCIWVVAFVMCIPVFVYREIFTTDNHNRCCGYKFLSSLDYPDFYGDPLENRSLENIVQPPGEMNDR
 LDPSSFQTNHPWTVPTVFQPQTFQRPSADSLPRGSARLTSQNLYSNVFKPADVVSFKIPSGFPIEDHET
 SPLDNSDAFLSTHLKLFPSASSNSFYSELPPQGFQDYNYLQFTDDDQVPTPLVAITITRLVVGFLPSV
 IMIACYSFIVFRMQRGRFAKSQSKTFRVAVVVAVFLVCWTPYHIFGVL SLLTDPETPLGKTLMSWDHVC
 IALASANSFNFLYALLGKDFRKKARQSIQGIIEAAFSEELTRSTHCPSSNNVISERNSTTV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004054

ORF Size: 1446 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_004054.4](#)

RefSeq Size: 1985 bp

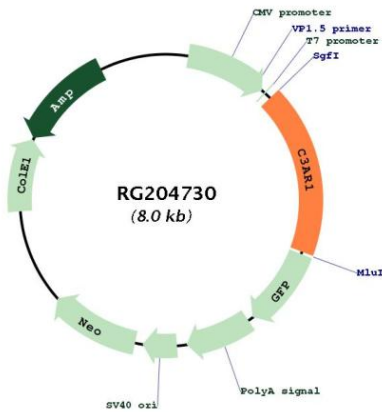
RefSeq ORF: 1449 bp

Locus ID: 719

UniProt ID: [Q16581](#)

Cytogenetics: 12p13.31
Domains: 7tm_1
Protein Families: Druggable Genome, GPCR, Transmembrane
Protein Pathways: Complement and coagulation cascades, Neuroactive ligand-receptor interaction
Gene Summary: C3a is an anaphylatoxin released during activation of the complement system. The protein encoded by this gene is an orphan G protein-coupled receptor for C3a. Binding of C3a by the encoded receptor activates chemotaxis, granule enzyme release, superoxide anion production, and bacterial opsonization. [provided by RefSeq, May 2016]

Product images:



Circular map for RG204730