

Product datasheet for SC119072

C5R1 (C5AR1) (NM_001736) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5R1 (C5AR1) (NM_001736) Human Untagged Clone
Tag:	Tag Free
Symbol:	C5R1
Synonyms:	C5A; C5AR; C5R1; CD88
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119072 sequence for NM_001736 edited (data generated by NextGen Sequencing)

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ATGAACTCCTTCAATTATACCACCCTGATTATGGGCACTATGATGACAAGGATACCTG
GACCTCAACACCCTGTGGATAAACTTCTAACACGCTGCGTGTCCAGACATCCTGGCC
TTGGTCATCTTTGCAGTCGTCTTCTGGTGGGAGTGCTGGCAATGCCCTGGTGGTCTGG
GTGACGGCATTTCGAGGCCAAGCGGACCATCAATGCCATCTGGTTCCTCAACTGGCGGTA
GCCGACTTCTCTCCTGCCTGGCGCTGCCATCTTGTTCACGTCCATTGTACAGCATCAC
CACTGGCCCTTTGGCGGGCCGCTGCAGCATCCTGCCCTCCCTCATCTGCTCAACATG
TACGCCAGCATCCTGCTCCTGGCCACCATCAGCGCCGACCGCTTCTGCTGGTGTAAA
CCCATCTGGTGCCAGAATTCCGAGGGGCCGGCTTGGCCTGGATCGCCTGTGCCGTGGCT
TGGGGTTTAGCCCTGCTGCTGACCATAACCCTCCTTCTGTACCGGTGGTCCGGGAGGAG
TACTTTCCACAAAGGTGTTGTGTGGCGTGGACTACAGCCACGACAAACGGCGGGAGCGA
GCCGTGGCCATCGTCCGGCTGGTCTGGGCTTCTGTGGCCTCTACTCACGCTCACGATT
TGTTACACTTTCATCCTGCTCCGGACGTGGAGCCGACGGCCACGCGGTCCACCAAGACA
CTCAAGGTGGTGGTGGCAGTGGTGGCCAGTTTCTTATCTTCTGGTTGCCCTACCAGGTG
ACGGGGATAATGATGTCCTTCTGGAGCCATCGTCACCCACCTTCTGCTGCTGAATAAG
CTGGACTCCCTGTGTCTCCTTGCCTACATCAACTGCTGCATCAACCCATCATCTAC
GTGGTGGCCGGCCAGGGCTTCCAGGGCCGACTGCGGAAATCCCTCCCCAGCCTCCTCCGG
AACGTGTTGACTGAAGAGTCCGTGGTTAGGGAGAGCAAGTCATTACGCGCTCCACAGTG
GACACTATGGCCAGAAGACCCAGGCAGTGTAG

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Clone variation with respect to NM_001736.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001736 unedited
CACATTTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGAGACCAGACATG
AACTCCTTCAATTATACCACCCCTNGATATGGGCACTATGATGACAAGGATACCCTGGAC
CTCAACACCCCTGTGGATAAAACTTCTAACACGCTGCGTGTCCAGACATCCTGGCCTTG
GTCATCTTTGCAGTCGTCTTCTGGTGGGAGTGTGGCAATGCCCTGGTGGTCTGGGTG
ACGGCATTGAGGCCAAGCGGACCATCAATGCCATCTGGTTCCTCAACTGGCGGTAGCC
GACTTCTCTCCTGCCTGGCGCTGCCCATCTTGTTCACGTCCATTGTACAGCATACCAC
TGGCCCTTTGGCGGGCCGCTGCAGCATCCTGCCCTCCCTCATCCTGCTCAACATGTAC
GCCAGCATCCTGCTCCTGGCCACCATCAGCGCCGACCGCTTCTGCTGGTGTAAACCC
ATCTGGTGCCAGAACTCCGAGGGGCCGCTTGGCCTGGATCGCCTGTGCCGTGGCTTGG
GGTTTAGCCCTGCTGCTGACCATACCCTCCTTCTGTACCGGGTGGTCCGGGAGGAGTAC
TTTCCACCAAAGGTGTTGTGGCGTGGACTACAGCCACGACAAACGGCGGGAGCGAGCC
GTGGCCATCGTCCGGCTGGTCTGGGCTTCTGTGGCCTCTACTACGCTCAGATTTGT
TACACTTTCATCCTGCTCCGGACGTGGAGCCGAGCCACGCGGTCCACCAAGACCTCAA
GGTGGTGGTGGCAGTGGTGGGCCAGTTCTATCTTCTGGGTGCCCTACCAGTGAGNGAT
AATGATGCCTTCTGACCATCGTCACCACCTTCTGCGCTGAATAGCTGACTCCCTGTG
TGCTCTTTTGTACTACTGCTGATAACCCATATTTACGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001736 unedited
NGGGGGNNNGGGGGNANNNNNNCTCTTNNNNNNNTTTACTGNNACCGCGG
CCGCATACTAGATCGNGTTTTTTTTTTTTTTTTTCAAATTCATTTTTATTTTCCTCATT
AAAGTCATGTATACTTTTTTTTTAAAGCTCAAAACGGTTACATACTATATGATTCCATTGA
ATAACATCTTGAATGACAACATTATAGAAATGGAGAGTGGATTCTGGTTGCCAGGGG
TTAGGGACACGGCTGGGGTGTGGGGTGGAGGGAAGTGGGCATCCTGGGGATCCCTGTGG
TGATGAAAATGTCCTGTATCTTCACTGTATCAATGTCAATATCCTGGTTATGAGACTACA
TTGTAGTTTTGCAAGATGTTGCCATTGGGGGAGGCTGGGTGAAGGGTACACAAAATCCCT
CTGTATCATTACTTACAATTGTGTTGAGTTTGCAATGATCTCAAAATAGAAAGCATAATT
TAAAAACAAAGTACAAACAAACTGCAGTTTTTTAGGTGTTTTTGTGTTTTGTTTTGCT
TTGCTTTTGAGACAGAGCCTCCCTCGGTACCCAGGCTAGAGTGCAGTGGTGGCATG
GCTCACCACAACCTCCACCTCCAAGGTTTCGAGCAATCTCCACCTCAGCCTCCCAAGTA
GCTGGGATTACAGGCACCCACTACCATGCCAGTTAATTTTTGTATTAATGACACAAAA
CAGGGGGTTCCACCATGCTNNGGCCAACCTGNCCTGGAACCTTGCACCTCAAGTGAT
CCCACCACCTTTAACCTTCCCAAAGTCTTGGGATTACAGGCCGTGAGGCCACTGCTCTC
AACCTAAATTTCTTTNTAAATTAACCTCACCTTACAAAAGCTTAAATAACTCCAT
GGACCTCCTGTTTTGCCCCAAGAACTTTGAAATTCAGTTACCATATTTTCCAACCT
TGCCCTA

Restriction Sites:

NotI-NotI

ACCN:

NM_001736

Insert Size:

2390 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:	NM_001736.2 , NP_001727.1
RefSeq Size:	2328 bp
RefSeq ORF:	1053 bp
Locus ID:	728
UniProt ID:	P21730
Cytogenetics:	19q13.32
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Complement and coagulation cascades, Neuroactive ligand-receptor interaction
Gene Summary:	Receptor for the chemotactic and inflammatory peptide anaphylatoxin C5a (PubMed:1847994, PubMed:8182049, PubMed:7622471, PubMed:9553099, PubMed:10636859, PubMed:15153520, PubMed:29300009). 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 (PubMed:8182049, PubMed:7622471, PubMed:9553099). Receptor activation stimulates chemotaxis, granule enzyme release, intracellular calcium release and superoxide anion production (PubMed:10636859, PubMed:15153520).[UniProtKB/Swiss-Prot Function]