

Product datasheet for **SC322253**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for SC322253
 CTTCCCTTGGGGCTTTAAAAACACAGCCCTTGGGCAGGAGGGACCTTCGATCCTCGGGA
 GCCCAGGAGACCAGAACATGAACTCCTTCAATTATACCACCCCTGATTATGGGCACTATG
 ATGACAAGGATACCCTGGACCTCAACACCCCTGTGGATAAAAATTCTAACACGCTGCGTG
 TTCCAGACATCCTGGCCTTGGTCATCTTTCAGTCGTCTTCTGGTGGGAGTGTGGGCA
 ATGCCCTGGTGGTCTGGGTGACGGCATTGAGGCCAAGCGGACCATCAATGCCATCTGGT
 TCCTCAACTTGGCGGTAGCCGACTTCCTCTCCTGCCTGGCGCTGCCCATCTTGTTACGT
 CCATTGTACAGCATCACCACTGGCCCTTTGGCGGGCCGCTGCAGCATCCTGCCCTCCC
 TCATCCTGCTCAACATGTACGCCAGCATCCTGCTCCTGGCCACCATCAGCGCCGACCGCT
 TTCTGCTGGTGTAAACCCATCTGGTGCCAGAACTTCCGAGGGGCCGGCTTGGCCTGGA
 TCGCCTGTGCCGTGGCTTGGGGTTAGCCCTGCTGCTGACCATAACCCTCCTTCTGTACC
 GGGTGGTCCGGGAGGAGTACTTCCACCAAAGGTGTTGTGTGGCGTGGACTACAGCCACG
 ACAAACGGCGGGAGCGAGCCGTGGCCATCGTCCGGCTGGTCTGGGCTTCTGTGGCCTC
 TACTCACGCTCACGATTTGTTACACTTTCATCCTGCTCCGGACGTGGAGCCGAGGGCCA
 CGCGGTCCACCAAGACACTCAAGGTGGTGGTGGCAGTGGTGGCCAGTTTCTTTATCTTCT
 GGTGGCCCTACCAGGTGACGGGGATAATGATGTCTTCTGAGCCATCGTCACCCACCT
 TCCTGCTGCTGAATAAGCTGGACTCCCTGTGTGTCTCCTTTGCCTACATCAACTGCTGCA
 TCAACCCCATCATCTACGTGGTGGCCGGCCAGGGCTTCCAGGGCCGACTGCGGAAATCCC
 TCCCCAGCCTCCTCCGGAACGTGTTGACTGAAGAGTCCGTGGTTAGGGAGAGCAAGTCAT
 TCACGCGCTCCACAGTGGACACTATGGCCAGAAGACCCAGGCAGTGTAGGCGACAGCCT
 CATGGGCCACTGTGGCCCGATGTCCCCTTCCCTCCCGGCCATTCTCCCTTGTGTTTAC
 TTCACTTTTCGTGGGATGGTGTACCTTAGCTAACTAATCTCCTCCATGTTGCCTGTCT
 TTCCAGACTTGTCCCTCTTTCCAGCGGGACTTCTCTCATCCTTCTCATTGTGCAAGG
 TGAACACTTCTTAGGGAGCACCTCCACCCCCACCCCCCCACACACCATCTTT
 CCATCCCAGGCTTTTGA AAAACAAACAGAAACCCGTGTATCTGGGATATTTCCATATGGC
 AATAGGTGTGAACAGGAACTCAGAATACAGACAAGTAGAAAGATTCTCGCTTAAAAAAA
 TGTATTTATTTATGGCAAGTTGAAAAATGTAAGTGGAAATCTCAAAGTTCTTTGGGA
 CAAAACAGAAAGTCCATGGAGTTATCTAAGCTCTTGAAGTGAGTTAATTTAAAAAAA
 AAAAA

Restriction Sites: Please inquire

ACCN: NM_001736

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001736.3 , NP_001727.1
RefSeq Size:	2342 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]