

Product datasheet for **SC301108**

CD21 (CR2) (NM_001006658) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD21 (CR2) (NM_001006658) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD21
Synonyms:	C3DR; CD21; CR; CVID7; SLEB9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001006658 edited
 ATGGGCGCCGCGGGCCTGCTCGGGTTTTCTTGGCTCTCGTCGCACCGGGGGTCCTCGGG
 ATTTCTTGTGGCTCTCCTCCGCCTATCCTAAATGGCCGATTAGTTATTATTCTACCC
 ATTGCTGTTGGTACCGTGATAAGGTACAGTTGTTCAAGTACCTTCCGCCTCATTGGAGAA
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 CACAATGGACATCACACAAGTGAATGTTGGTCCATTGCTCCAGGATTGTCTGTGACT
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 TTTCCCAATGGGAAGGTAAGGAGCCTCCAATTCTCCGGTGGTGAACCTGCAAACTTT
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 CCCCTGTACCCCAATGCAAAGTGGCAGCGTGTGAAGCTACAGGAAGGCAACTCTTGACA
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 TTAAGTGGGAGTGTTCAGGAGTGTCAAGGCACAATCCTTGGTGTATGGAGATTTCGT



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CTTTGTAAGAAATCACCTGCCACCACCCCTGTTATCTACAATGGGGCACACACCGGG
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AGAGCACGCAATTATTATACAGATACAAGCCAGAAAGAAGCTTTTCATTTAGAAGCACGA
GAAGTATATTCTGTTGATCCATACAACCCAGCCAGCTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_001006658
- Insert Size:** 3300 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).
- 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:

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_001006658.1](#), [NP_001006659.1](#)

RefSeq Size: 4159 bp

RefSeq ORF: 3279 bp

Locus ID: 1380

UniProt ID: [P20023](#)

Cytogenetics: 1q32.2

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: B cell receptor signaling pathway, Complement and coagulation cascades, Hematopoietic cell lineage

Gene Summary: This gene encodes a membrane protein, which functions as a receptor for Epstein-Barr virus (EBV) binding on B and T lymphocytes. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]

Transcript Variant: This variant (1) encodes the longer isoform (1).