

Product datasheet for **SC315094**

CD21 (CR2) (NM_001877) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD21 (CR2) (NM_001877) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD21
Synonyms:	C3DR; CD21; CR; CVID7; SLEB9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315094 representing NM_001877. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGCCGCGGGCTGCTCGGGTTTTCTTGCTCTCGTCGCACCGGGGGTCTCGGGATTTCTTGT
GGCTCTCTCCGCTATCCTAAATGGCCGGATTAGTTATTATTCTACCCCATTTGCTGTTGGTACCGTG
ATAAGGTACAGTTGTTACAGTACCTCCGCTCATTGGAGAAAAAGTCTATTATGCATAACTAAAGAC
AAAGTGGATGGAACCTGGGATAAACCTGCTCCTAAATGTGAATTTTCAATAAATATTCTTCTGCCCT
GAGCCCATAGTACCAGGAGGATACAAAATTAGAGGCTCTACACCCACAGACATGGTATTCTGTGACA
TTTGCCTGTAAAACCACTTCTCCATGAACGGAACAAGTCTGTTTGGTGTCAAGCAAATAATATGTGG
GGGCCGACACGACTACCAACCTGTGAAGTGTTCCTCTCGAGTGTCCAGCACTTCTATGATCCAC
AATGGACATCACACAAGTGAGAATGTTGGCTCCATTGCTCCAGGATTGTCTGTGACTTACAGCTGTGAA
TCTGGTACTTGCTTGTGGAGAAAAGATCATAACTGTTTGTCTTCGGGAAAATGGAGTGTGTCCCC
CCCACATGTGAAGAGGCACGCTGTAATCTCTAGGACGATTTCCCAATGGGAAGGTAAAGGAGCCTCCA
ATTCTCCGGTGGTGTAACTGCAAACTTTTTCTGTGATGAAGGGTATCGACTGCAAGGCCACCTTCT
AGTCGGTGTGAATTGCTGGACAGGGAGTTGCTGGACCAAAATGCCAGTATGTGAAGAAATTTTTGC
CCATCACCTCCCCTATTCTCAATGGAAGACATATAGGCAACTCACTAGCAAATGTCTCATATGGAAGC
ATAGTCACTTACACTTGTGACCCGACCCAGAGGAAGGAGTGAACCTTATCCTTATTGGAGAGACACT
CTCCGTTGTACAGTTGATAGTCAGAAGACTGGGACCTGGAGTGGCCCTGCCCCACGCTGTGAATTTCT
ACTTCTGCGGTTCAAGTGTCCACATCCCCAGATCCTAAGAGGCCGAATGGTATCTGGGCAGAAAGATCGA
TATACCTATAACGACACTGTGATATTTGCTTGCATGTTTGGCTTACCTTGAAGGCAGCAAGCAAATC
CGATGCAATGCCAAGGCACATGGGAGCCATCTGCACCACTGTGAAAAGGAATGCCAGGCCCTCCT
AACATCTCAATGGGCAAAAGGAAGATAGACACATGGTCCGTTTGACCCTGGAACATCTATAAAATAT
AGCTGTAACCCTGGCTATGTGCTGGTGGGAGAAGAATCCATACAGTGTACCTCTGAGGGGTGTGGACA
CCCCCTGTACCCCAATGCAAAGTGGCAGCGTGTGAAGCTACAGGAAGGCAACTCTTGACAAAACCCAG
CACCATTGTTAGACCAGATGTCAACTCTTCTGTGGTGAAGGGTACAAGTTAAGTGGGAGTGTATT
```



[View online »](#)

CAGGAGTGTCAAGGCACAATTCCTTGGTTTATGGAGATTCGTCTTTGTAAGAAATCACCTGCCACCA
 CCCCTGTTATCTACAATGGGGCACACCCGGGAGTTCCTTAGAAGATTTTCCATATGGAACCACGGTC
 ACTTACACATGTAACCCTGGGCCAGAAAGAGGAGTGGAATTCAGCCTCATTGGAGAGACCACCCGT
 TGTACAAGCAATGATCAAGAAAGAGGCACCTGGAGTGGCCCTGCTCCCCTATGTAACCTTCCCTCCTT
 GCTGTCCAGTGTCCATGTCCATATTGCAATGGATACAAGATATCTGGCAAGGAAGCCCCATATTTT
 TACAATGACACTGTGACATTCAAGTGTTATAGTGGATTTACTTTGAAGGGCAATAGTCAGATTCGTTGC
 AAAGTGATAAACACCTGGGATCCTGAAATACCAGTTTGTGAAAAAGAAACATGCCAGCATGTGAGACAG
 AGTCTTCAAGAACTCCAGCTGGTTCAGTGTGGAGCTAGTTAATACGTCTGCCAAGATGGGTACCAG
 TTGACTGGACATGCTTATCAGATGTGTCAAGATGCTGAAAATGGAATTTGGTTCAAAAAGATTCCACTT
 TGTAAAGTTATTCAGTGTACCCTCCACCAGTGATTGTCAATGGGAAGCACACAGGCATGATGGCAGAA
 AACTTTCTATATGGAAATGAAGTCTTATGAATGTGACCAAGGATTCTATCTCTGGGAGAGAAAAA
 TTGCAGTGCAGAAGTGATTCTAAAGGACATGGATCTTGGAGCGGGCCTCCCCACAGTGCTTACGATCT
 CCTCTGTGACTCGTCCCTAATCCAGAAGTCAAACATGGGTACAAGCTCAATAAACACATTCTGCA
 TATTCCACAATGACATAGTGTATGTTGACTGCAATCCTGGCTTCATCATGAATGGTAGTCGCGTGATT
 AGGTGTCATACTGATAACACATGGGTGCCAGGTGTGCAAATTTGTATCAAAAAGCCTTCATAGGGTGT
 CCACCTCCGCCTAAGACCCTAACGGGAACCATACTGGTGGAAACATAGCTCGATTTTCTCTGGAAATG
 TCAATCCTGTACAGCTGTGACCAAGGCTACCTGCTGGTGGGAGAGGCACTCCTTCTTGCACACATGAG
 GGAACCTGGAGCCAACCTGCCCTCATTGTAAAGAGGTAAGTGTAGCTCACCAGCAGATATGGATGGA
 ATCCAGAAAGGGCTGGAACCAAGGAAAAATGTATCAGTATGGAGCTGTTGTAACCTCGAGTGTGAAGAT
 GGGTATATGCTGGAAGGCAGTCCCAGAGCCAGTGCCAAATCGGATCACCATGGAACCTCCCTGGCG
 GTTGCAGATCCCGTTCACTTGTCTCCTTTGTGGTATTGCTGCAGGTTTGATACTTCTTACCTTC
 TTGATTGTCATTACCTTATACGTGATATCAAAACACAGAGAACGCAATTATTATACAGATACAAGCCAG
 AAAGAAGCTTTTCATTTAGAAGCACGAGAAGTATATTCTGTTGATCCATACAACCCAGCCAGCTGA
 ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001877
- Insert Size:** 3102 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_001877.3](#)

RefSeq Size:	4007 bp
RefSeq ORF:	3102 bp
Locus ID:	1380
UniProt ID:	P20023
Cytogenetics:	1q32.2
Domains:	CCP
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	B cell receptor signaling pathway, Complement and coagulation cascades, Hematopoietic cell lineage
MW:	113 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) is missing an in-frame coding exon compared to variant 1, resulting in a shorter isoform (2) lacking an internal protein segment compared to isoform 1.</p>