

Product datasheet for **SC316358**

CD20 (MS4A1) (NM_021950) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD20 (MS4A1) (NM_021950) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD20
Synonyms:	B1; Bp35; CD20; CVID5; FMC7; LEU-16; MS4A2; S7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_021950 edited
GAATTCGGCACGAGGACAACTGCACCCACTGAACTCCGCAGCTAGCATCCAAATCAGCC
CTTGAGATTTGAGCCTTGAGACTCAGGAGTTTTGAGAGCAAAATGACAACCCAGAA
ATTCAGTAAATGGGACTTCCCGCAGAGCCAATGAAAGGCCCTATTGCTATGCAATCTG
GTCCAAAACCACTCTTCAGGAGGATGTCTTCACTGGTGGGCCACGCAAAGCTTCTTCA
TGAGGGAATCTAAGACTTTGGGGCTGTCCAGATTATGAATGGGCTTCCACATTGCC
TGGGGGTCTTCTGATGATCCCAGCAGGATCTATGCACCCATCTGTGTGACTGTGTGGT
ACCCTCTCTGGGAGGCATTATGTATATTTCCGGATCACTCCTGGCAGCAACGGAGA
AAAACCCAGGAAGTGTGGTCAAAGGAAAAATGATAATGAATCATTGAGCCTTTTG
CTGCCATTTCTGGAATGATTCTTCAATCATGGACATACTTAATATTTAAATTTCCATT
TTTTAAAATGGAGAGTCTGAATTTTATTAGAGCTCACACCCATATATTAACATATACA
ACTGTGAACCAGCTAATCCCTCTGAGAAAACTCCCATCTACCAATACTGTTACAGCA
TACAATCTCTGTTCTTGGGCATTTTGTCACTGATGCTGATCTTTGCCCTTCCAGGAAC
TTGTAATAGCTGGCATCGTTGAGAATGAATGGAAGAAGCGTGCTCCAGACCCAAATCTA
ACATAGTTCTCCTGTGAGCAGAAAGAAAAAGAACAGACTATTGAAATAAAAGAAGAAG
TGGTTGGGCTAACTGAAACATCTTCCCAACCAAGAATGAAGAAGACATTGAAATATTC
CAATCCAAGAAGGAAGAAGAAGAAACAGAGACGAACTTCCAGAACCTCCCAAGATC
AGGAATCTCACCAATAGAAAATGACAGCTCTCCTTAAGTGATTTCTTCTGTTTTCTGTT
TCCTTTTTTAAACATTAGTGTTTCATAGCT



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_021950 unedited GAATTTGTATACGACTACTATAGGCGGCNCGCGAATTCGCACGAGGACAACTGCACCC ACTGAACTCCGCAGCTAGCATCCAAATCAGCCCTTGAGATTTGAGGCCTTGAGACTCAG GAGTTTTGAGAGCAAAATGACAACCCAGAAATTCAGTAAATGGGACTTTCCCGCAGA GCCAATGAAAGGCCCTATTGCTATGCAATCTGGTCCAAAACCACTTTCAGGAGGATGTC TTCCTGGTGGGCCCCACGCAAAGCTTCTTCATGAGGGAATCTAAGACTTTGGGGCTGT CCAGATTATGAATGGGCTCTCCACATTGCCCTGGGGGTCTTCTGATGATCCCAGCAGG GATCTATGCACCCATCTGTGTGACTGTGTGGTACCCTCTCTGGGAGGCATTATGTATAT TATTTCCGGATCACTCCTGGCAGCAACGAGAAAACTCCAGGAAGTGTTTGGTCAAAGG AAAAATGATAATGAATTCATTGAGCCTCTTTGCTGCCATTTCTGGAATGATTCTTTCAAT CATGGACATACTTAATATTAATAATTTCCATTTTTTAAAAATGGAGAGTCTGAATTTTAT TAGAGCTCACACCCATATATTAACATATACTGTGAACCAGCTAATCCCTCTGAGAA AACTCCCATCTACCAATACTGTTACAGCATACATTCTCTGTTCTTGCGCATCTTGTC AGTGATGCTGATCTTTGCCCTTCTCCAGAACTGTAATAGCTGGCATCGTTGAGAAATGA ATGGAAAAGACCGTGCTCCAAACCAATCTACATAGTTCTTCTGTCAACAGAAGAAAAAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_021950 unedited TACCGGGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTCTGTTGCAGAAAAGA CACAAAGATAGTTTTATTAATTTAGAACAATTTTGGAACTTTACATAGACAGAAATCT TCTATCTCTTTTTTTCTAATTTTGGGGAATGTCTTCCACTAGTGGTCGTA AAAATGTA GAAATATCATAGGGAGTGCAAAATACATTGTCTTTACCTGCCACAATCTGGCAGCACT CATCATGTAGCAAATGCCAAATAATAGACTACAGATTATAGTGACTTCACCCTAGGTTA ACATTATTTCTAGGTAAGGTACTAGTATATCTGAATTGAAAAGTGGGCAGCTGTTGACT CAGATTCGGCATTTAATTACATTGTTTCCAAGTATGATATTCTGAGAGTGTCTATAGCA CTTAGTGTCTGCTTCATATAAACTACCAGTTATTATATATTTATGATGCAAGTAGTTTTT CAAATGTGGTGAAAGTCTGAGTCTTTTTATCCCATGGGTA AAAATCTGAATCTGGCTCTC TGTGTCTCTCAGTGCTTGTATTGCTGGTCAGAGAGTAAATCTTGATAAAAAGCTGTTG ACTTGGCTCTCACAGTTTATGCAGACATTGGAGAGACAATTTGGTTATTTCAAACATCAC AGGATTTGAGTAAGAAGACCTGGTTATGAAACAAGGCTCTCATAATTACTAGTTATGACT GTTGACAGTTACCCTTTTCTTGTACAAGTATTTGCCCTCTTGATTACTGTAAATAGA GAAGGGATTCTTTTTGATCATGGACATCAATGAATTTTGGTGAATACTTTGCCATCTG GAAATATACTATAACTCAATGTAATATTTGAAATTGGGCACTCATGTGCATTTCTA TGCCATTTTTCTTTTTCGCTATGGCTAAAGTAGTAGACTGCAACATACCTAAAGGGGAG TAGGAAAGTAAGCCAACCTGTCATGTTACT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_021950
Insert Size:	2740 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:	<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_021950.3 , NP_068769.2
RefSeq Size:	3331 bp
RefSeq ORF:	894 bp
Locus ID:	931
UniProt ID:	P11836
Cytogenetics:	11q12.2
Domains:	CD20
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Hematopoietic cell lineage
Gene Summary:	<p>This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) lacks a portion of the 5' UTR, compared to variant 1, but encodes the same protein.</p>