

## Product datasheet for **SC122755**

### CD300C (NM\_006678) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD300C (NM\_006678) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CD300C  
**Synonyms:** CLM-6; CMRF-35; CMRF-35A; CMRF35; CMRF35-A1; CMRF35A; CMRF35A1; IGSF16; LIR  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006678 edited  
 GAAATGGCCCAGCTTGGCTCTGCCTTCTGCAGTGTGAGTAAACACTGAAGCCAGAAGCT  
 GTGGGCTGTGGGAAGTGGCTGCATCGCCACCCAAGGGACCCTGGACTTTGCCAGACGTC  
 AGGGTTGAGAGGAGCCACTAGCACCATCCAGAGCTGTCAGCACCGGCCTCAGCCAGGC  
 GGCTCTCTCCCTGAGCTTCTGTACCCTGACCCTCTCCAGCCTCAGACCTGAGACAGGGC  
 TGGACAAGGAAGCAGAGAGCAGAAGAAAAGCAGAAGCGAAGCTCAGATCTGCTGGGAGGA  
 GACTACATTTTGTCCCCTCTGGGGTCTTGACAGTGGCAGGTGACATTCGTGTTACAGG  
 AATGACTGCCAGGGCCTGGGCCTCGTGGCGGTCTTACAGTCTGCTCCTCTGCTTGTCCC  
 AGGCTATTTTCTCTGAGCCACCCCATGACCGTGGCGGGCCCGTGGGGGATCCCTGAG  
 TGTGCAGTGTGCTATGAGAAGGAACACAGGACCCTCAACAAATCTGGTGCAGACCACC  
 ACAGATTCTCCGATGTGACAAGATTGTGGAGACCAAAGGGTCCAGCAGGGAAAAGGATGG  
 CCGAGTGTCCATCAGGGACAGTCTGCAAACCTCAGCTTACAGTGACCTGGAGAATCT  
 CACAGAGGAGGACGCAGGCACCTACTGGTGTGGGGTGGATACACCGTGGCTCCGAGACTT  
 TCATGATCCCATTGTCGAGGTTGAGGTGTCCGTGTTCCCGGCCGGGACGACCACAGCCTC  
 CAGCCCCCAGAGCTCCATGGGCACCTCAGGTCCTCCCACGAAGCTGCCCGTGCACACCTG  
 GCCCAGCGTGACCAGAAAGGACAGCCCCGAACCCAGCCACACCTGGCTCCCTGTTTCAG  
 CAATGTCCGCTTCTGCTCCTGGTCCTCTTGGAGCTGCCCTGCTCCTGAGCATGCTGGG  
 TGCCGCTCTGGGTGAACAGACCTCAGAGAAGCTCTAGAAGCAGGCAGAATTGGCCCAA  
 GGGTGAAGAACAGTAGCATCTGCTGTCCATCAAGGCCCTGTGCTGCAACAGAGCCCTCT  
 GGGGGACTGGAATGACCTCCTGACCACTCCCTCCCGGGTGTCTCTCCACATCTCCTGG  
 AATCCTTTGTGAGCCTCCTTCAGCCTTTTCCCTGTGCCGATCCTCATGTGCACATGTG  
 AACCTGACGGACATGGACGCCCTGAGCTGTGAGTCCACGTCTCATGTGCACGCCCCGGCC  
 AGCTAAGCCTCGGGCCGTGAGCAATACCTCTGAGTGCCCGGATGCCCTCCCTGCACCCTT  
 CCATTTCTCCAGGAGCCTGGCACTGCTTCTCCACCGTTTTTACAGGGAGAAGCAGGTCT  
 AGGACTCCCCTGCACCTTTGCCACCATAATGGCCACACTCCCTGGGTCCAGGAGTGTAG  
 AATATGCGGCTGCTTCCATTTGCTGAGTGTGTCGATTCAATGATGCTTTCAAACCTTAAT  
 AAATGACAATGTGTAGGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006678 unedited  
 CCCCAGTCGGGATTTGTNATCCGNATTCACTATAGGCGGCCGCGCATTTCGCGCCATTAC  
 GGCCGGGGGTAATGGCCAGCTTGGCTCTGCCTTCTGCAGTGTGAGTAACACACTGAAG  
 CCAGAAGCTGTGGGCTGTGGGAAGTGGCTGCATCGCCACCCAAGGGACCCTGGACTTTG  
 CCAGACGTCAGGGTTGAGAGGAGCCACTAGCACCATCCCAGAGCTGTCAGCACCGGCCTC  
 AGCCCAGGCGGCTCTCTCCCTGAGCTTCTGTACCCTGACCCTCTCCAGCCTCAGACCTG  
 AGACAGGGCTGGACAAGGAAGCAGAGAGCAGAAGAAAAGCAGAAGCGAAGCTCAGATCTG  
 CTGGGAGGAGACTACATTTTGTCCCTCCTGGGGTCTTGACAGTGGCAGGTGACATTCCG  
 TGTACAGGAATGACTGCCAGGGCTGGGCCTCGTGGCGGTCTTACAGCTGTCTCTCTCT  
 GCTTGTCCAGGCTATTTTCTCTGAGCCACCCATGACCGTGGCGGGCCCGTGGGGGG  
 ATCCCTGAGTGTGAGTGTGCTATGAGAAGGAACACAGGACCCTCAACAAATTCTGGTG  
 CAGACCACCACAGATTCTCCGATGTGACAAGATTGTGGAGACCAAGGGTCAGCAGGGAA  
 AAGGAATGGCCGAGTGTCCATCAGGGACAGTCTGCAAACCTCAGCTTACAGTGACCCT  
 GGAGAATCTCACAGAGGAAGACGCAGGCACCTACTGGTGTGGGGTGGGATACACCGGGGC  
 TCCGAAACCTTCATGATCCCATTGTCCAAGTTGAAGTGTCCCGGTTCCCGGGCCGGAACA  
 CCACCGCCTCCAGCCCCAAGAACTCCATGGGCACCTCAGGGCCCTCCACAGAGCTGCC  
 TGGCCACC

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_006678

**Insert Size:**

1550 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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.

|                          |                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RefSeq:</b>           | <u>NM_006678.2, NP_006669.1</u>                                                                                                                                                                                            |
| <b>RefSeq Size:</b>      | 1550 bp                                                                                                                                                                                                                    |
| <b>RefSeq ORF:</b>       | 675 bp                                                                                                                                                                                                                     |
| <b>Locus ID:</b>         | 10871                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>       | <u>Q08708</u>                                                                                                                                                                                                              |
| <b>Cytogenetics:</b>     | 17q25.1                                                                                                                                                                                                                    |
| <b>Protein Families:</b> | Druggable Genome, Transmembrane                                                                                                                                                                                            |
| <b>Gene Summary:</b>     | The CMRF35 antigen, which was identified by reactivity with a monoclonal antibody, is present on monocytes, neutrophils, and some T and B lymphocytes (Jackson et al., 1992 [PubMed 1349532]).[supplied by OMIM, Mar 2008] |