

## Product datasheet for **SC303067**

### CD1C (NM\_001765) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD1C (NM_001765) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD1C
Synonyms:	BDCA1; CD1; CD1A; R7
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001765 edited  
 TTTCTGAGAGAAAGAAACATCTGCAAATGACATGCTGTTTCTGCAGTTTCTGCTGCTAGC  
 TCTTCTTCTCCCAGGTGGTGACAATGCAGACGCATCCCAGGAACACGTCTCCTTCCATGT  
 CATCCAGATCTTCTCATTGTCAACCAATCCTGGGCACGAGGTGAGGGCTCAGGATGGCT  
 GGACGAGTTGCAGACTCATGGCTGGGACAGTGAATCAGGCACAATAATTTTCTGCATAA  
 CTGGTCCAAGGGCAACTTCAGCAATGAAGAGTTGTGAGACCTAGAGTTGTTATTTCTGTTT  
 CTACCTCTTTGGATTAACCTCGGGAGATTCAAGACCATGCAAGTCAAGTACTCGAAATA  
 TCCCTTTGAAGTACAGGTGAAAGCGGGCTGTGAGCTGCATTCTGGAAAGAGCCAGAAAG  
 CTTCTTTAGGTAGCTTTCAACGGATTAGATTTACTGAGTTTCCAGAATAACAACATGGGT  
 GCCATCTCCAGGCTGTGGAAGTTTGGCCAAAGTGTCTGTCTACTCAATCATCAGTA  
 TGAAGGCGTCACAGAAACAGTGTATAATCTCATAAGAAGCACTTGCCCCGATTTCTCTT  
 GGGTCTCCTGGATGCAGGGAAGATGTATGTACACAGGCAAGTGAAGCCAGAAAGCCTGGCT  
 GTCCAGTCGCCCCAGCCTTGGGTCTGGCCAGCTGTTGCTGGTTTGTATGCTCCCGCTT  
 CTACCCAAAGCCTGTTTGGGTGACATGGATGCGGAATGAACAGGAGCAACTGGGCACTAA  
 ACATGGTGATATTCTTCTAATGCTGATGGGACATGGTATCTTCAGGTGATCCTGGAGGT  
 GGCATCTGAGGAGCCTGCTGGCCTGTCTGTGCGAGTGAGACACAGCAGTCTAGGAGGCCA  
 GGACATCATCCTCTACTGGGACACCACTTTTCCATGAATTGGATTGCCTTGGTAGTGAT  
 AGTGCCCTTGGTGATTCTAATAGTCCTTGTGTTATGGTTAAGAAGCACTGCTCATATCA  
 GGACATCCTGTGAGACTTTCCCTGACTCCCC

Restriction Sites:	Please inquire
ACCN:	NM_001765
Insert Size:	1050 bp



[View online »](#)

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001765.1.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001765.1</a> , <a href="#">NP_001756.1</a>
<b>RefSeq Size:</b>	1207 bp
<b>RefSeq ORF:</b>	1002 bp
<b>Locus ID:</b>	911
<b>UniProt ID:</b>	<a href="#">P29017</a>
<b>Cytogenetics:</b>	1q23.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Hematopoietic cell lineage
<b>Gene Summary:</b>	This gene encodes a member of the CD1 family of transmembrane glycoproteins, which are structurally related to the major histocompatibility complex (MHC) proteins and form heterodimers with beta-2-microglobulin. The CD1 proteins mediate the presentation of primarily lipid and glycolipid antigens of self or microbial origin to T cells. The human genome contains five CD1 family genes organized in a cluster on chromosome 1. The CD1 family members are thought to differ in their cellular localization and specificity for particular lipid ligands. The protein encoded by this gene is broadly distributed throughout the endocytic system via a tyrosine-based motif in the cytoplasmic tail. Alternatively spliced transcript variants of this gene have been observed, but their full-length nature is not known. [provided by RefSeq, Jul 2008]