

## Product datasheet for **SC334365**

### CD300 (CD300LF) (NM\_001289082) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD300 (CD300LF) (NM_001289082) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD300LF
Synonyms:	CD300f; CLM-1; CLM1; IgSF13; IREM-1; IREM1; LMIR3; NKIR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001289082, the custom clone sequence may differ by one or more nucleotides

```
ATGTGGCTGCCTCAGCTCGACCTCATGAGGGTCATCAGTGCTAAGAGTCAAGGCTACTCCATTGTCACTC
AAATCACCGGTCCAACAACAGTGAATGGCTTGGAGCGGGCTCCTTGACCGTGCAAGTGTGTTACAGATC
AGGCTGGGAGACCTACTTGAAGTGGTGGTGTGCGAGGAGCTATTTGGCGTGACTGCAAGATCCTTGTAA
ACCAGTGGGTGAGAGCAGGAGGTGAAGAGGGACCGGGTGTCCATCAAGGACAATCAGAAAAACCGCACGT
TCACTGTGACCATGGAGGATCTCATGAAAAGTATGCTGACACTACTGGTGTGGAATTGAGAAAAGTGG
AAATGACCTTGGGGTACAGTTCAGTGACCATTGACCCAGCACCAGTCACCCAAGAAGAAACTAGCAGC
TCCCAACTCTGACCGGCCACCATTGGACAACAGCAGCCGGGATGTCCCAGAGCAGGTACTGCAGCCC
CTGGAGGGCGACCTCTGCTATGCAGACCTGACCCTGCAGCTGGCCGGAACCTCCCGCAAAGGCTACCA
CGAAGCTTTCCTCTGCCAGGTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001289082
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).
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).



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**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\\_001289082.1](#), [NP\\_001276011.1](#)

**RefSeq Size:** 1871 bp

**RefSeq ORF:** 585 bp

**Locus ID:** 146722

**UniProt ID:** [Q8TDQ1](#)

**Cytogenetics:** 17q25.1

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a member of the CD300 protein family. Members of this family are cell surface glycoproteins with a single IgV-like extracellular domain, and are involved in the regulation of immune response. The encoded protein is an inhibitory receptor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]  
Transcript Variant: This variant (2, also known as sv3) differs in its 5' UTR, uses an alternate start codon, and lacks an exon in the central coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has distinct N- and C-termini, compared to isoform 1.