

## Product datasheet for **RC236685**

### CD300 (CD300LF) (NM\_001289087) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD300 (CD300LF) (NM\_001289087) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CD300LF  
**Synonyms:** CD300f; CLM-1; CLM1; IgSF13; IREM-1; IREM1; LMIR3; NKIR  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236685 representing NM\_001289087  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGCCCTGCTGACTCTACCTGCTCCTCTTCTGGCTCTCAGGCTACTCCATTGCTCACTCAAATCACCG  
GTCCAACAACAGTGAATGGCTTGGAGCGGGCTCCTTGACCGTGCAGTGTGTTTACAGATCAGGCTGGGA  
GACCTACTTGAAGTGGTGGTGTGCGAGGAGCTATTTGGCGTGAAGATCCTTGTAAAACAGTGGG  
TCAGAGCAGGAGGTGAAGAGGGACCGGGTGTCCATCAAGGACAATCAGAAAAACCGCACGTTCACTGTGA  
CCATGGAGGATCTCATGAAAAGTATGCTGACTTACTGGTGTGGAATTGAGAAAACTGAAAATGACCT  
TGGGGTCAAGTCAAGTGAACATTGACCCAGCACCAGTACCCAAGAAGAACTAGCAGCTCCCCAACT  
CTGACCGGCCACCACTTGGACAACAGGCACAAGCTCCTGAAGCTCAGTGTCTCTGCCCCATCTTCA  
CCATATTGCTGCTGCTTTTGGTGGCCGCCTCACTCTTGGCTTGGAGGATGATGAAGTACCAGCAGAAAGG  
TACTGCAGCCCTGGAGGGCGACCTCTGCTATGCAGACCTGACCTGCAGCTGGCCGGAACCTCCCCGCA  
AAAGGCTACCACGAAGCTTCTCTGCCAGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236685 representing NM\_001289087  
Red=Cloning site Green=Tags(s)

MPLLTLYLLLFWLSGYSIVTQITGPTTVNGLERGLSTVQC VYRSGWETYLKWWCRGAIWRDCKILVKTSG  
 SEQEVKRDRVSIKDNQKNRTFTVTMEDLMKTDADTYWCGIEKTGNDLGVTVQVTIDPAPVTQEETSSSPT  
 LTGHHLNDRHKLLKLSVLLPLIFITILLLLLVAASLLAWRMMKYQQKGTAA PGRPLL CRPDPAAAGRNLPA  
 KGYHEAFLCPG

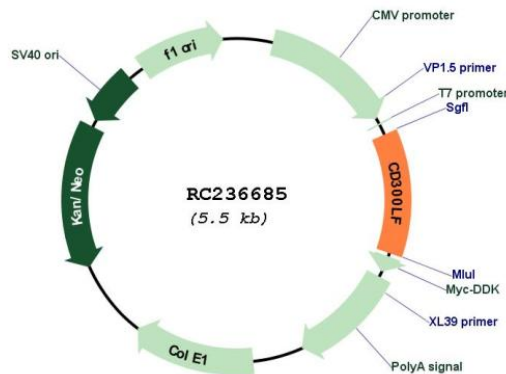
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001289087

**ORF Size:** 663 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001289087.2</a>
<b>RefSeq Size:</b>	1787 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	146722
<b>UniProt ID:</b>	<a href="#">Q8TDQ1</a>
<b>Cytogenetics:</b>	17q25.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	25.2 kDa
<b>Gene Summary:</b>	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]