

## Product datasheet for **SC328443**

### CLM 9 (CD300LG) (NM\_001168323) Human Untagged Clone

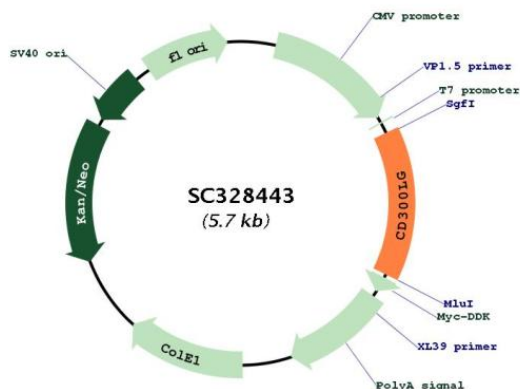
#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLM 9 (CD300LG) (NM_001168323) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD300LG
Synonyms:	CLM-9; CLM9; NEPMUCIN; TREM-4; TREM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328443 representing NM_001168323. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCGGCTTCTGGTCTGCTATGGGGTTGCCTGCTGCTCCAGGTTATGAAGCCCTGGAGGGCCAGAG
GAAATCAGCGGTTTGAAGGGGACACTGTGTCCCTGCAGTGCACCTACAGGAAGAGCTGAGGGACCAC
CGGAAGTACTGGTGCAGGAAGGGTGGGATCCTTCTCTCGTGCTTGGCACCATCTATGCAGAAGAA
GAAGGCCAGGAGACAATGAAGGGCAGGGTGTCCATCCGTGACAGCCGCCAGGAGCTCTCGTCTATTGTG
ACCCTGTGGAACCTCACCTGCAAGACGCTGGGAGTACTGGTGTGGGTCGAAAAACGGGGCCCCGAT
GAGTCTTTACTGATCTCTGTTCGTCTTCCAGCTTCTCCTGGGCTCTACCCGGCAGCCACCACAGCC
AAGCAGGGGAAGACAGGGGCTGAGGCCCTCCATTGCCAGGGACTTCCCAGTACGGGCACGAAAGGACT
TCTCAGTACACAGGAACCTCTCCTCACCCAGCGACCTCTCCTCCTGCAGGGAGCTCCCGCCCCCATG
CAGCTGGACTCCACCTCAGCAGAGGACACCAGTCCAGCTCTCAGCAGTGGCAGCTCTAAGCCCAGGGTG
TCCATCCCGATGGTCCGCACTACTGGCCCCAGTCCCTGGTGTGCTGAGCCTTCTGTGAGCCGAGGCCCTG
ATCGCCTTCTGCAGCCACCTGCTCCTGTGGAGAAAGGAGCTCAACAGGCCACGGAGACACAGAGGAAC
GAGAAGTTCTGCCTCTCACGCTTGAACCTCCCTGATGTTTTCTCTGAGCCTGCCTTGGCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_001168323

**Insert Size:** 822 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:**

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\\_001168323.1](#)

**RefSeq Size:** 1297 bp

RefSeq ORF:	822 bp
Locus ID:	146894
UniProt ID:	<u>Q6UXG3</u>
Cytogenetics:	17q21.31
Protein Families:	Druggable Genome, Transmembrane
MW:	30 kDa
Gene Summary:	<p>Members of the CD300 (see MIM 606786)-like (CD300L) family, such as CD300LG, are widely expressed on hematopoietic cells. All CD300L proteins are type I cell surface glycoproteins that contain a single immunoglobulin (Ig) V-like domain (Takatsu et al., 2006 [PubMed 16876123]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (3) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 3) has a distinct C-terminus and is shorter than isoform 1.</p>