

## Product datasheet for **SC328371**

### CLM 9 (CD300LG) (NM\_001168324) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLM 9 (CD300LG) (NM_001168324) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLM 9
Synonyms:	CLM-9; CLM9; NEPMUCIN; TREM-4; TREM4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_001168324, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGCGGCTTCTGGTCTGCTATGGGGTTGCCTGCTGCTCCCAGGTTATGAAGCCCTGGAG GGCCCAGAGGAAATCAGCGGGTTCGAAGGGGACACTGTGTCCCTGCAGTGACCTACAGG GAAGAGCTGAGGGACCACCGGAAGTACTGGTGCAGGAAGGGTGGGATCCTCTTCTCTCGC TGCTCTGGCACCATCTATGCAGAAGAAGAAGGCCAGGAGACAATGAAGGGCAGGGTGTC ATCCGTGACAGCCGCCAGGAGCTCTCGCTCATTGTGACCCTGTGGAACCTCACCTGCAA GACGCTGGGGAGTACTGGTGTGGGGTCGAAAAACGGGGCCCCGATGAGTCTTTACTGATC TCTCTGTTCTGCTTTCCAGGGAGCTCCCGCCCCCATGCAGCTGGACTCCACCTCAGCA GAGGACACCAGTCCAGCTCTCAGCAGTGGCAGCTCTAAGCCCAGGGTGTCCATCCCGATG GTCCGCATACTGGCCCCAGTCTGCTGCTGCTGAGCCTTCTGTGAGCCGAGGCCTGATC GCCTTCTGCAGCCACCTGCTCCTGTGGAGAAAGGAAGCTCAACAGGCCACGGAGACACAG AGGAACGAGAAGTTCTGCCTCTCACGCTTGAATCACAGACATCAGAGCTGGATCCAGAT GAAGCCTTTGAGATCTCTAGCCTGACTTTTCTCTCAGTTTGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001168324
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.


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<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>	<u>NM_001168324.1, NP_001161796.1</u>
<b>RefSeq Size:</b>	996 bp
<b>RefSeq ORF:</b>	702 bp
<b>Locus ID:</b>	146894
<b>UniProt ID:</b>	<u>Q6UXG3</u>
<b>Cytogenetics:</b>	17q21.31
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<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 (2) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>