

Product datasheet for **RG229733**

CLM 9 (CD300LG) (NM_001168324) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CLM 9 (CD300LG) (NM_001168324) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CD300LG
Synonyms: CLM-9; CLM9; NEPMUCIN; TREM-4; TREM4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG229733 representing NM_001168324
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGCTTCTGGTCTGCTATGGGGTTCCTGCTGCTCCCAGGTTATGAAGCCCTGGAGGGCCAGAGG
 AAATCAGCGGGTTCGAAGGGGACACTGTGTCCCTGCAGTGCACCTACAGGGAAGAGCTGAGGGACCACCG
 GAAGTACTGGTGCAGGAAGGGTGGGATCCTTCTCTCGCTGCTCTGGCACCATCTATGCAGAAGAAGAA
 GGCCAGGAGACAATGAAGGGCAGGGTGTCCATCCGTGACAGCCGCCAGGAGCTCTCGCTCATTGTGACCC
 TGTGGAACCTCACCTGCAAGACGCTGGGGAGTACTGGTGTGGGGTCGAAAACGGGGCCCGATGAGTC
 TTTACTGATCTCTGTTTCGCTTTCCAGGGAGCTCCCGCCCCCATGCAGCTGGACTCCACCTCAGCA
 GAGGACACCAGTCCAGCTCTCAGCAGTGGCAGCTCTAAGCCCAGGGTGTCCATCCCGATGGTCCGCATAC
 TGGCCCCAGTCCCTGGTGTGCTGAGCCTTCTGTGAGCCGAGGCCTGATCGCCTTCTGCAGCCACCTGCT
 CCTGTGGAGAAAGGAAGCTCAACAGGCCACGGAGACACAGAGGAACGAGAAGTTCTGCCTCTCACGCTTG
 AATCACAGAACATCAGAGCTGGATCCAGATGAAGCCTTTGAGATCTCTAGCCTGACTTTTCTCTCAGTT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229733 representing NM_001168324
Red=Cloning site Green=Tags(s)

MRLLVLLWGCLLLPGYEALGPPEEISGFEGDVTLSLQCTYREELRDHRKYWCRKGGILFSRCSGTIYAE
 EQETMKGRVSIIRDSRQELSLIVTLWNLTLQDAGEYWCVEKRPDESLLISL FVFPSSRPPMQLDSTSA
 EDTSPALSSGSSKPRVSI PMVRILAPVLVLLSLLSAAGLIAFCSHLLWRKEAQQATETQRNEKFLSRL
 NHRTSELDPDEAFEISSLTFLSV

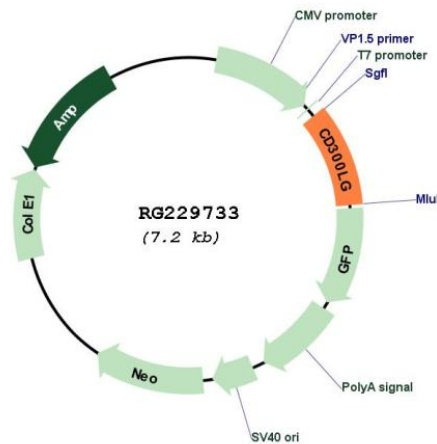
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001168324

ORF Size: 699 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001168324.2
RefSeq Size:	996 bp
RefSeq ORF:	702 bp
Locus ID:	146894
UniProt ID:	Q6UXG3
Cytogenetics:	17q21.31
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	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]