

## Product datasheet for MR215889

### Cd300lg (NM\_001160712) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd300lg (NM\_001160712) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cd300lg  
**Synonyms:** 2310016B05Rik; Clm9; D11ErtD736e  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR215889 representing NM\_001160712  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAGGCCTCTGGTCTGCTATGGGGTGCCTGGTGTCCAGGTTATGAAGCCCTGAAGGTCCTCAAAGG  
 AGATCAGTGGATTTGAAGGTGACACCGTGTCCCTGCGGTGTACCTACGTGGAGAAGATGAAGGAGCACAG  
 GAAGTATTGGTGCCGGCAGGGTGGCATCCTGGTGTACGCTGCGGTGACATTGTCTACGCAAATCAGGAC  
 CAGGAGGTGACTCGAGGCAGGATGTCCATCCGAGACAGTCCCAAGAGCTCTCGATGACCGTGATCATGA  
 GGGACCTTACCCTGAAGGATTACAGGAAGTACTGGTGTGGGATTGACAGACTGGGCCGCGATGAGTCTTT  
 TGAGGTTACACTCATTGTCTTTCCAGGAAAAAGGGACAATGCTGTCCCTGCTGGCACCTGCTGTCCTTCT  
 TCCCCACCCCTCCTTCCAGCCTCTTACACCTACAAGGAGCCTGCAGCCCAAGGCAAAAGCCTGGCAGA  
 CTCAGTCCCAGAACCGAGGAGCTCCCGTCCAGTCGTCTGGTGGCCCTTACCACGCCACAGGACTCCAG  
 GGCTGTAGCCAGCAGTGTCTCAAGCCAGTGTGTCCATCCCGATGGTCCGCATGATGGCCCCAGTCCGTG  
 ATACTTTGTCCCTGCTGTTGGCTGCAGGACTAATTGCCCTTGGCAGCCACATGCTCCGGTGGAGAAAGA  
 AAGCTTGGCTGGCCACAGAGACACAGAAGAACGAGAAGGTACCTTGAACCTCGCTGCCAGGAAACGG  
 CTGGACCACTGAAGACTCGACGATAGACCTTGCAGTGACTCCTGAATGTCTCAGAAACCTCAACCTTCT  
 GCTGTGCCCTCTCCTGAGACACAGAACCTCAGTCACTACAGAGGAGGAAGAGGACGCTCGTCCCTGG  
 ACGACGACAAGGAGGACGTGATGGCACCCCTCCCTTGCAGATGTCTGCGGAGGAACTGGCCTTCTCTGA  
 GTTCATCTCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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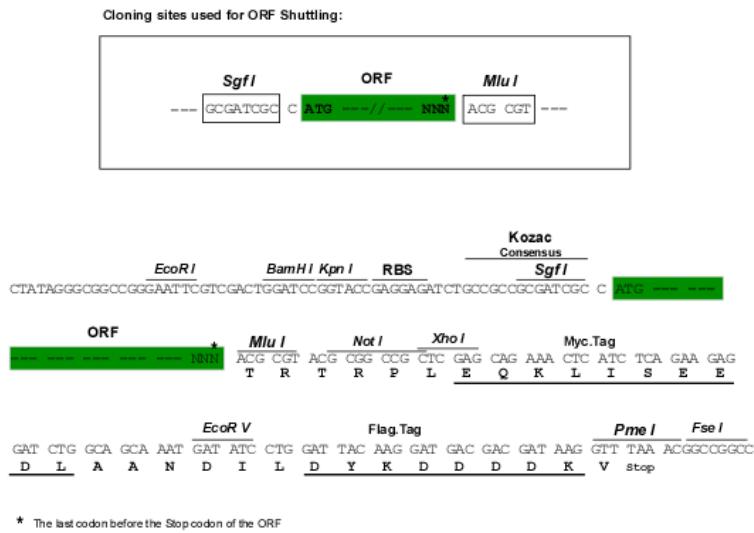
**Protein Sequence:** >MR215889 representing NM\_001160712  
 Red=Cloning site Green=Tags(s)

MRPLVLLWGCLVLPGYEALKGPKEISGFEGDVTSLRCTYVEKMKEHRKYWCRQGGILVSRCGDIVYANQD  
 QEVTRGRMSIRDSPQELSMTVIMRDLTLKDSGKYWCGIDRLGRDESFVTLIVFPGKRDNAVPAAGTCCPS  
 SPTPSFQPLTPTRSLQPKAKAWQTQLPEPRSSRPVWVPLTTPQDSRAVASSVSKPSVSIPIVMRMAPVL  
 ILLSLLLAAGLIAFGSHMLRWRKKAWLATETQKNEKVYLETSLPGNGWTTEDSTIDLAVTPECLRNLNPS  
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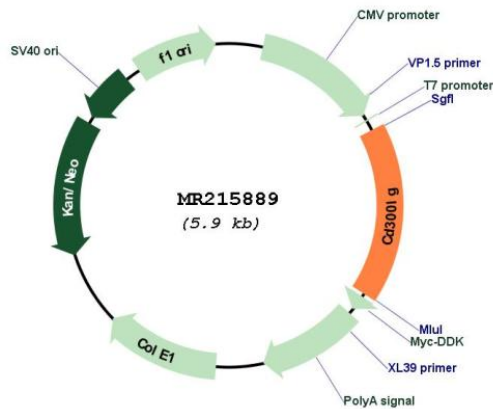
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001160712

**ORF Size:** 993 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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:**

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\\_001160712.1](#), [NP\\_001154184.1](#)

**RefSeq Size:** 2480 bp

**RefSeq ORF:** 996 bp

**Locus ID:** 52685

**UniProt ID:** [Q1ERP8](#)

**Cytogenetics:** 11 65.48 cM

**MW:** 37.2 kDa

**Gene Summary:** Receptor which may mediate L-selectin-dependent lymphocyte rollings. Binds SELL in a calcium dependent manner. Binds lymphocyte.[UniProtKB/Swiss-Prot Function]