

## Product datasheet for MR217461

### Cd300lg (NM\_001160713) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lg (NM_001160713) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd300lg
Synonyms:	2310016B05Rik; Clm9; D11ErtD736e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217461 representing NM_001160713 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCCTCTGGTCTGCTATGGGGCTGCCTGGTGTCCAGGTTATGAAGCCCTGAAGGGTCCAAAGG  
AGATCAGTGGATTTGAAGGTGACACCGTGTCCCTGCGGTGTACCTACGTGGAGAAGATGAAGGAGCACAG  
GAAGTATTGGTGCCGGCAGGGTGGCATCCTGGTGTACGCTGCGGTGACATTGTCTACGCAAATCAGGAC  
CAGGAGGTGACTCGAGGCAGGATGTCCATCCGAGACAGTCCCAAGAGCTCTCGATGACCGTGATCATGA  
GGGACCTTACCCTGAAGGATTCAGGGAAGTACTGGTGTGGGATTGACAGACTGGGCCGCGATGAGTCTTT  
TGAGGTTACACTATTGTCTTTCCAGCTTCTCCTGGTCTCCACCCGACAGTCGTCACGGCCAAACAGGGC  
AAGACAGGGGTCAAAGCCCTGTATTCACCGAGGTGGCCCCAGCCTGGTCTACAGGAACTTCCCAGGTCC  
CCCCAGGAATCTCTCCATATGCTGGGAGCTCTCCTCACACAGCGACCCCGCCGATCTGCAGGAACCTC  
CCAGGTTCCCCAGGAATCTCTCCATATGCTGGGAGGTCTCCTCACACAGCGACCTCTCCTCATGCAGGG  
AGCTCCCGTCCAGTCGTCTGGCTGCCCTTACCACGCCACAGGACTCCAGGGCTGTAGCCAGCAGTGTCT  
CCAAGCCAGTGTGTCCATCCCGATGGTCCGCATGATGGCCCCAGTCCTGATACTTTGTCCCTGCTGTT  
GGCTGCAGGACTAATTGCCTTTGGCAGCCACATGCTCCGGTGGAGAAAGAAAGCTTGGCTGGCCACAGAG  
ACACAGAAGAACGAGAAGGTCTACCTTGAACCTCGCTGCCAGGGAACGGCTGGACCCTGAAGACTCGA  
CGATAGACCTTGCACTGACTCCTGAATGTCTCAGAAACCTCAACCTTCTGCTGTGCCCTCTCCTGAGAC  
ACAGAACCTCAGTCAGTCTACAGAGGAGGAAGAGGCAGCTCGTTCCCTGGACGACGACAAGGAGGACGTG  
ATGGCACCCCTCCCTTGAGATGTCTGCGGAGGAACTGGCCTTCTCTGAGTTCATCTCTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217461 representing NM\_001160713  
Red=Cloning site Green=Tags(s)

MRPLVLLWGCLVLPGYEALKGPKEISGFEGD TVSLRCTYVEKMKEHRKYWCRQGGILVSRCGDIVYANQD  
 QEVTRGRMSIRDSPQEL SMTVIMRDLTLKDSGKYWCGIDRLGRDESFVTLIVFPASPGLHPTVVTAKQG  
 KTGVKAPVFTEVAPAWSTGTSQVPPGISPYAGSSPHTATPARSAGTSQVPPGISPYAGRSPHTATSPHAG  
 SSRPVVWLPLTTPQDSRAVASSVSKPSVSI PMVRMMAPVLILL SLLLAAGLIAFGSHMLRWRKKAWLATE  
 TQKNEKYVLETSLPGNGWTTEDSTIDLAVTPECLRNLNPSAVPSPETQNL SQSTEEEEAARSLDDDKEDV  
 MAPPPLQMSAEELAFSEFISV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001160713

**ORF Size:** 1113 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:**

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\\_001160713.1](#), [NP\\_001154185.1](#)

**RefSeq Size:** 2600 bp

**RefSeq ORF:** 1116 bp

**Locus ID:** 52685

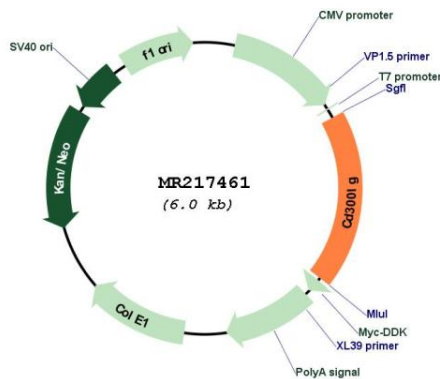
**UniProt ID:** [Q1ERP8](#)

**Cytogenetics:** 11 65.48 cM

**MW:** 40.7 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]

**Product images:**



Circular map for MR217461