

Product datasheet for **MR217447**

Cd300lg (NM_027987) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lg (NM_027987) 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:	>MR217447 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGCCTCTGGTCTGCTATGGGGCTGCCTGGTGTCTCCAGGTTATGAAGCCCTGAAGGGTCCAAAGG
AGATCAGTGGATTTGAAGGTGACACCGTGTCCCTGCGGTGTACCTACGTGGAGAAGATGAAGGAGCACAG
GAAGTATTGGTGCCGGCAGGGTGGCATCTGGTGTACGCTGCGGTGACATTGTCTACGCAATCAGGAC
CAGGAGGTGACTCGAGGCAGGATGTCCATCCGAGACAGTCCCAAGAGCTCTCGATGACCGTGATCATGA
GGGACCTTACCCTGAAGGATTGAGGAAGTACTGGTGTGGGATTGACAGACTGGGCCGCGATGAGTCTTT
TGAGGTTACACTATTGTCTTTCCAGGGAGCTCCCGTCCAGTCTGCTGGCTGCCCTTACCAGCCACAG
GACTCCAGGGCTGTAGCCAGCAGTGTCTCCAAGCCAGTGTGCCATCCCGATGGTCCGATGATGGCCC
CAGTCTGATACTCTTGTCCCTGCTGTTGGCTGCAGGACTAATTGCCTTTGGCAGCCACATGCTCCGGTG
GAGAAAGAAAGCTTGGCTGGCCACAGAGACACAGAAGAACGAGAAGGTCTACCTTGAAACCTCGTGCCA
GGGAACGGCTGGACCACTGAAGACTCGACGATAGACCTTGCACTGACTCCTGAATGTCTCAGAAACCTCA
ACCCTTCTGCTGTGCCCTCTCCTGAGACACAGAACCTCAGTCAGTCTACAGAGGAGGAAGAGGCAGCTCG
TTCCCTGGACGACGACAAGGAGGACGTGATGGCACCCCTCCCTTGACAGATGTCTGCGGAGGAACGGCC
TTCTCTGAGTTCATCTCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217447 protein sequence
Red=Cloning site Green=Tags(s)

MRPLVLLWGCLVLPGYEALKGPKEISGFEGD TVSLRCTYVEKMKEHRKYWCRQGGILVSRCGDIVYANQD
 QEVTRGRMSIRDSPQEL SMTVIMRDLTLKDSGKYWCGIDRLGRDESFVTLIVFPGSSRPVWVWLP LTPQ
 DSRVASSVSKPSVSI PMVRMMAPVLILL SLLLAAGLIAFGSHMLRWRKKAWLATETQKNEKVYLETSLP
 GNGWTTEDSTIDLAVTPECLRNLNPSAVPSPETQNL SQSTEEEAARSLDDDKEDVMAPPPLQMSAEELA
 FSEFISV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027987

ORF Size: 864 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_027987.3](#), [NP_082263.2](#)

RefSeq Size: 2348 bp

RefSeq ORF: 864 bp

Locus ID: 52685

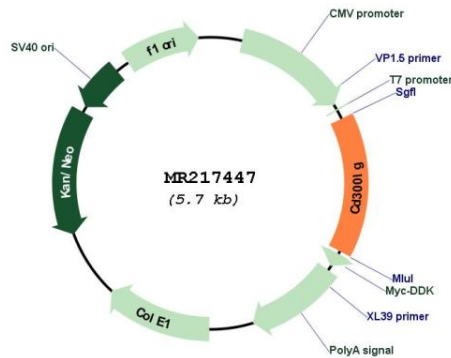
UniProt ID: [Q1ERP8](#)

Cytogenetics: 11 65.48 cM

MW: 32 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 MR217447