

Product datasheet for **MG217461**

Cd300lg (NM_001160713) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lg (NM_001160713) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd300lg
Synonyms:	2310016B05Rik; Clm9; D11ErtD736e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217461 representing NM_001160713 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCTCTGGTCTGCTATGGGGCTGCCTGGTGTCTCCAGGTTATGAAGCCCTGAAGGGTCCAAAGG
AGATCAGTGGATTTGAAGGTGACACCGTGTCCCTGCGGTGTACCTACGTGGAGAAGATGAAGGAGCACAG
GAAGTATTGGTCCGGCAGGGTGGCATCCTGGTGTACGCTGCGGTGACATTGTCTACGCAAATCAGGAC
CAGGAGGTGACTCGAGGCAGGATGTCCATCCGAGACAGTCCCCAAGAGCTCTCGATGACCGTGATCATGA
GGGACCTTACCCTGAAGGATTCAGGGAAGTACTGGTGTGGGATTGACAGACTGGGCCGCGATGAGTCTTT
TGAGGTTACACTATTGTCTTTCCAGCTTCTCCTGGTCTCCACCCGACAGTCGTCACGGCCAAACAGGGC
AAGACAGGGGTCAAAGCCCTGTATTACCCGAGGTGGCCCCAGCCTGGTCTACAGGAACTTCCCAGGTCC
CCCCAGGAATCTCTCCATATGCTGGGAGCTCTCCTCACACAGCGACCCCAGCCGATCTGCAGGAACCTC
CCAGGTTCCCCAGGAATCTCTCCATATGCTGGGAGGTCTCCTCACACAGCGACCTCTCCTCATGCAGGG
AGCTCCCGTCCAGTCGTCTGGCTGCCCTTACCACGCCACAGGACTCCAGGGCTGTAGCCAGCAGTGTCT
CCAAGCCAGTGTGTCCATCCCGATGGTCCGCATGATGGCCCCAGTCCTGATACTTTGTCCCTGCTGTT
GGCTGCAGGACTAATTGCCTTTGGCAGCCACATGCTCCGGTGGAGAAAGAAAGCTTGGCTGGCCACAGAG
ACACAGAAGAACGAGAAGGTCTACCTTGAACCTCGCTGCCAGGGAACGGCTGGACCCTGAAGACTCGA
CGATAGACCTTGCAGTACTCCTGAATGTCTCAGAAACCTCAACCTTCTGCTGTGCCCTCTCCTGAGAC
ACAGAACCTCAGTCAGTCTACAGAGGAGGAAGAGGCAGCTCGTTCCCTGGACGACGACAAGGAGGACGTG
ATGGCACCCCTCCCTTGCAGATGTCTGCGGAGGAACTGGCCTTCTCTGAGTTCATCTCTGTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217461 representing NM_001160713
Red=Cloning site Green=Tags(s)

MRPLVLLWGCLVLPGYEALKGPKEISGFEGDVTSLRCTYVEKMKEHRKYWCRQGGILVSRCGDIVYANQD
 QEVTRGRMSIRDSPQELSMTVIMRDLTLKDSGKYWCGIDRLGRDESFVTLIVFPASPGLHPTVVTAKQG
 KTGVKAPVFTVAPAWSTGTSQVPPGISPYAGSSPHTATPARSAGTSQVPPGISPYAGRSPHTATSPHAG
 SSRPVVWLPLTTPQDSRAVASSVSKPSVSIIPMVRMMAPVLILLLLLLAAGLIAFGSHMLRWRKKAWLATE
 TQKNEKYVLETSLPGNGWTTEDSTIDLAVTPECLRNLNPSAVPSPETQNLQSSTEEEEAARSLDDDKEDV
 MAPPPLQMSAEELAFSEFISV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

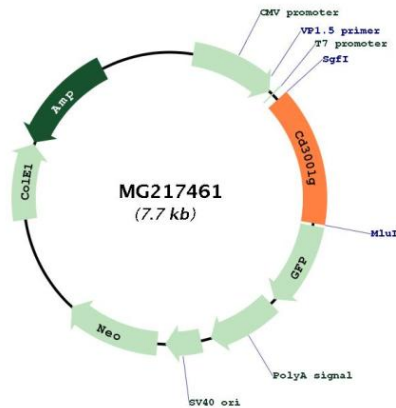
Locus ID: 52685

UniProt ID: [Q1ERP8](#)

Cytogenetics: 11 65.48 cM

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 MG217461