

## Product datasheet for **MG218710**

### Cd300lg (NM\_001160711) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lg (NM_001160711) 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:	>MG218710 representing NM_001160711 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGGCCTCTGGTCTGCTATGGGGCTGCCTGGTGTCCAGGTTATGAAGCCCTGAAGGGTCCAAAGG  
AGATCAGTGGATTTGAAGGTGACACCGTGTCCCTGCGGTGTACCTACGTGGAGAAGATGAAGGAGCACAG  
GAAGTATTGGTGCCGGCAGGGTGGCATCCTGGTGTACGCTGCGGTGACATTGTCTACGCAATCAGGAC  
CAGGAGGTGACTCGAGGCAGGATGTCCATCCGAGACAGTCCCAAGAGCTCTCGATGACCGTGATCATGA  
GGGACCTTACCCTGAAGGATTACAGGAAGTACTGGTGTGGGATTGACAGACTGGGCCGCGATGAGTCTTT  
TGAGGTTACACTATTGTCTTTCCAGGAAAAGGGACAATGCTGTCCCTGCTGGCACCTGCTGTCCCTCT  
TCCCCACCCCTCCTTCCAGCCTTTACACCTACAAGGAGCCTGCAGCCCAAGGCAAAAGCCTGGCAGA  
CTCAGCTCCCAGAACCGACTTCTCTGGTCTCCACCCGACAGTCGTACGGCCAAACAGGGCAAGACAGG  
GGTCAAAGCCCTGTATTACCGAGGTGGCCCCAGCCTGGTCTACAGGAACCTCCAGGTCCCCCAGGA  
ATCTCTCCATATGCTGGGAGCTCTCCTCACACAGCGACCCAGCCGATCTGCAGGAACCTCCAGGTTC  
CCCCAGGAATCTCTCCATATGCTGGGAGGTCTCCTCACACAGCGACCTCTCCTCATGCAGGGAGCTCCC  
TCCAGTCGTCTGGCTGCCCTTACCACGCCACAGGACTCCAGGGCTGTAGCCAGCAGTGTCTCCAAGCCC  
AGTGTGCCATCCCGATGGTCCGCATGATGGCCCCAGTCTGACTCTTGCTCCCTGCTGTTGGCTGCAG  
GACTAATTGCCTTTGGCAGCCACATGCTCCGGTGGAGAAAAGAAAGCTTGGCTGGCCACAGACACAGAA  
GAACGAGAAGGTCTACCTTGAACCTCGTGCAGGGAACGGCTGGACCACTGAAGACTCGACGATAGAC  
CTTGACGTGACTCCTGAATGTCTCAGAAACCTCAACCCTTCTGCTGTGCCCTCTCCTGAGACACAGAACC  
TCAGTCAGTCTACAGAGGAGGAAGAGGCAGCTCGTTCCCTGGACGACGACAAGGAGGACGTGATGGCACC  
CCCTCCCTGCAGATGTCTGCGGAGGAAGTGGCCTTCTCTGAGTTCATCTCTGTG

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218710 representing NM\_001160711  
 Red=Cloning site Green=Tags(s)

MRPLVLLWGCLVLPGYEALKGPKEISGFEGDVTSLRCTYVEKMKHEHRKYWCRQGGILVSRCGDIVANQD  
 QEVTRGRMSIRDSPQELSMTVIMRDLTLKDSGKYWCGIDRLGRDESFVTLIVFPGKRDNAVPAAGTCCPS  
 SPTPSFQPLTPTRSLQPKAKAWQTQLPEPTSPGLHPTVVTAKQKGTGVKAPVFTEVAPAWSTGTSQVPPG  
 ISPYAGSSPHTATPARSAGTSQVPPGISPYAGRSPHTATSPHAGSSRPVWVWVPLTTPQDSRAVASSVSKP  
 SVSIPMVRMMAPVLILLSLLLAAGLIAFGSHMLRWRKKAWLATETQKNEKVYLETSLPGNGWTTEDSTID  
 LAVTPECLRNLNPSAVPSPETQNLSSQSTEEEEEAAARSLDDDKEDVMAPPPLQMSAEELAFSEFISV

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3379\\_c03.zip](https://cdn.origene.com/chromatograms/ja3379_c03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001160711

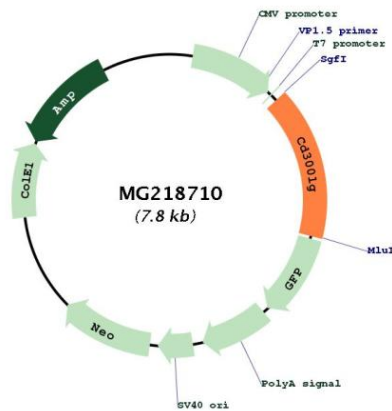
**ORF Size:** 1245 bp

**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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001160711.1</a></u> , <u><a href="#">NP_001154183.1</a></u>
<b>RefSeq Size:</b>	2732 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	52685
<b>UniProt ID:</b>	<u><a href="#">Q1ERP8</a></u>
<b>Cytogenetics:</b>	11 65.48 cM
<b>Gene Summary:</b>	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 MG218710