

Product datasheet for **MG217447**

Cd300lg (NM_027987) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lg (NM_027987) 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:	>MG217447 representing NM_027987 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCTCTGGTCTGCTATGGGGCTGCCTGGTGTCCAGGTTATGAAGCCCTGAAGGGTCCAAAGG
AGATCAGTGGATTTGAAGGTGACACCGTGTCCCTGCGGTGTACCTACGTGGAGAAGATGAAGGAGCACAG
GAAGTATTGGTGCCGGCAGGGTGGCATCCTGGTGTACGCTGCGGTGACATTGTCTACGCAATCAGGAC
CAGGAGGTGACTCGAGGCAGGATGTCCATCCGAGACAGTCCCAAGAGCTCTCGATGACCGTGATCATGA
GGGACCTTACCCTGAAGGATTCAGGAAGTACTGGTGTGGGATTGACAGACTGGGCCGCGATGAGTCTTT
TGAGGTTAACACTATTGTCTTTCCAGGGAGCTCCCGTCCAGTCTGCTGGCTGCCCTTACCACGCCACAG
GACTCCAGGGCTGTAGCCAGCAGTGTCTCCAAGCCAGTGTGCCATCCCGATGGTCCGATGATGGCCC
CAGTCTGATACTCTTGTCCCTGCTGTTGGCTGCAGGACTAATTGCCTTTGGCAGCCACATGCTCCGGTG
GAGAAAGAAAGCTTGGCTGGCCACAGAGACACAGAAGAACGAGAAGGTCTACCTTGAAACCTCGTGCCA
GGGAACGGCTGGACCACTGAAGACTCGACGATAGACCTTGCACTGACTCCTGAATGTCTCAGAAACCTCA
ACCCTTCTGCTGTGCCCTCTCCTGAGACACAGAACCTCAGTCAGTCTACAGAGGAGGAAGAGGCAGCTCG
TTCCCTGGACGACGACAAGGAGGACGTGATGGCACCCCTCCCTTGACAGATGTCTGCGGAGGAACCTGGCC
TTCTCTGAGTTCATCTCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217447 representing NM_027987
Red=Cloning site Green=Tags(s)

MRPLVLLWGCLVLPGYEALKGPKEISGFEGD TVSLRCTYVEKMKHEHRKYWCRQGGILVSRCGDIVYANQD
 QEVTRGRMSIRDSPQEL SMTVIMRDLTLKDSGKYWCGIDRLGRDESFVTLIVFPGSSRPVWVWLP LTPQ
 DSRVAVASSVSKPSVSIPMVRMMAPV LILL SLLLAAGLIAFGSHMLRWRKAWLATETQKNEKVYLETSLP
 GNGWTTEDSTIDLAVTPECLRNLNPSAVPSPETQNL SQSTEEEEEARS LDDDKEDVMAPPPLQMSAEELA
 FSEFISV

TRTRPLE - GFP Tag - V

Restriction Sites:

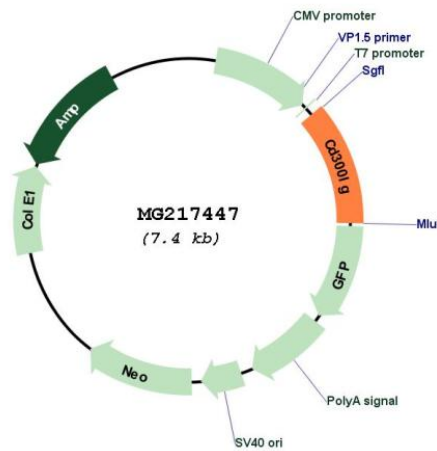
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_027987

ORF Size: 861 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:	<ol style="list-style-type: none">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
Gene Summary:	Receptor which may mediate L-selectin-dependent lymphocyte rollings. Binds SELL in a calcium dependent manner. Binds lymphocyte.[UniProtKB/Swiss-Prot Function]