

Product datasheet for MR218710

Cd300lg (NM_001160711) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lg (NM_001160711) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd300lg
Synonyms:	2310016B05Rik; Clm9; D11ErtD736e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR218710 representing NM_001160711 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGCCTCTGGTCTGCTATGGGGCTGCCTGGTGTCTCCAGGTTATGAAGCCCTGAAGGTCCTCAAAGG
AGATCAGTGGATTTGAAGGTGACACCGTGTCCCTGCGGTGTACCTACGTGGAGAAGATGAAGGAGCACAG
GAAGTATTGGTGCCGGCAGGGTGGCATCCTGGTGTACGCTGCGGTGACATTGTCTACGCAAATCAGGAC
CAGGAGGTGACTCGAGGCAGGATGTCCATCCGAGACAGTCCCAAGAGCTCTCGATGACCGTGATCATGA
GGGACCTTACCCTGAAGGATTACAGGAAGTACTGGTGTGGGATTGACAGACTGGGCCGCGATGAGTCTTT
TGAGGTTACACTCATTGTCTTTCCAGAAAAAGGGACAATGCTGTCCCTGCTGGCACCTGCTGTCCTTCT
TCCCCACCCCTCCTTCCAGCCTTTACACCTACAAGGAGCCTGCAGCCCAAGGCAAAGCCTGGCAGA
CTCAGCTCCCAGAACCGACTTCTCCTGGTCTCCACCCGACAGTCGTCACGGCCAAACAGGGCAAGACAGG
GGTCAAAGCCCTGTATTACCGAGGTGGCCCCAGCCTGGTCTACAGGAACCTCCAGGTCCCCAGGTTCC
ATCTCTCCATATGCTGGGAGCTCTCCTCACACAGCGACCCAGCCGATCTGCAGGAACCTCCAGGTTCC
CCCCAGGAATCTCTCCATATGCTGGGAGGTCTCCTCACACAGCGACCTCTCCTCATGCAGGGAGTCCCC
TCCAGTGTCTGGCTGCCCTTACCACGCCACAGGACTCCAGGGCTGTAGCCAGCAGTGTCTCCAAGCCC
AGTGTGTCCATCCCGATGGTCCGCATGATGGCCCCAGTCTGATACTCTTGTCCCTGCTGTTGGCTGCAG
GACTAATTGCCTTTGGCAGCCACATGCTCCGGTGGAGAAAGAAAGCTTGCTGGCCACAGAGACACAGAA
GAACGAGAAGGTCTACCTTGAACCTCGCTGCCAGGGAACGGCTGGACCTGAAGACTCGACGATAGAC
CTTGACGTGACTCCTGAATGTCTCAGAACTCAACCCTTCTGCTGTGCCCTCTCCTGAGACACAGAAACC
TCAGTCAGTCTACAGAGGAGGAAGAGGCAGCTCGTTCCCTGGACGACGACAAGGAGGACGTGATGGCACC
CCCTCCCTGCAGATGTCTGCGGAGGAAGTGGCCTTCTCTGAGTTCATCTCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218710 representing NM_001160711
Red=Cloning site Green=Tags(s)

MRPLVLLWGCLVLPGYEALKGPKEISGFEGD TVSLRCTYVEKMKHEHRKYWCRQGGILVSRCDIVYANQD
 QEVTRGRMSIRDSPQEL SMTVIMRDLTLKDSGKYWCGIDRLGRDESFVTLIVFPGKRDNAVPAAGTCCPS
 SPTPSFQPLTPTRSLQPKAKAWQTQLPEPTSPGLHPTVVTAKQGTGKAPVFTEVAPAWSTGTSQVPPG
 ISPYAGSSPHTATPARSAGTSQVPPGISPYAGRSPHTATSPHAGSSRPVVWLPLTTPQDSRAVASSVSKP
 SVSIPMVRMMAPVLILL SLLLAAGLIAFGSHMLRWRKKAWLATETQKNEKVYLETSLPGNGWTTEDSTID
 LAVTPECLRNLNPSAVPSPETQNL SQSTEEEAARSLDDDKEDVMAPPPLQMSAEELAFSEFISV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

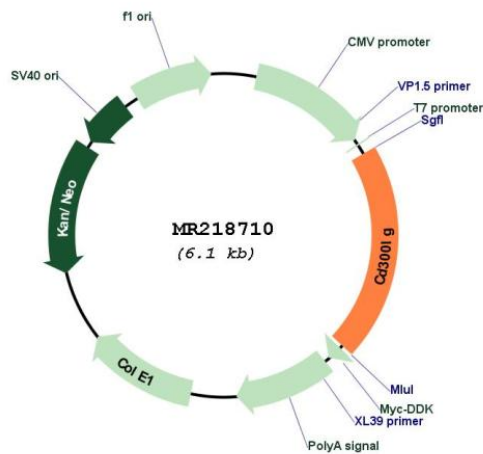
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001160711

ORF Size:	1245 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_001160711.1 , NP_001154183.1
RefSeq Size:	2732 bp
RefSeq ORF:	1248 bp
Locus ID:	52685
UniProt ID:	Q1ERP8
Cytogenetics:	11 65.48 cM
MW:	45.4 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]