

## Product datasheet for MR217822

### Cd300lf (NM\_001169153) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lf (NM_001169153) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd300lf
Synonyms:	CLIM1; CLM-1; CLM1; Digr2; F730004D16Rik; IgSF13; IREM1; LMIR3; Pigr3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217822 representing NM_001169153 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCATTTGTCATTGCTGGTCCCCTTTCTCTTCTGGATCACAGGCTGCTGCACGGCTGAGGATCCAGTCA  
CAGGTCCAGAGGAGGTGAGCGGTCAGGAGCAGGGCTCCTTGACAGTGCAGTGCCGATACCTCAGGCTG  
GAAGGATTACAAGAAGTACTGGTGCCAAGGAGTTCCTCAGAGATCATGTAAGACTCTTGTGAAACCGAT  
GCATCAGAGCAGCTGGTGAAGAAGAACCGTGTGCCATCAGGGACAACCAGAGAGACTTCATCTTCACAG  
TGACCATGGAGGATCTGAGGATGAGCGATGCTGGCATTACTGGTGTGGAATTACGAAAGGTGGACTTGA  
TCCCATGTTTAAAGTTACTGTGAACATTGGCCAGCAATCCAAGTACCCATTACAGTGCCAACCATGCC  
CCCATCACCTCCACCACCACCATCTTCACAGTGACAACCACAGTAAAAGAGACCAGCATGTTTCCAACGC  
TGACTAGCTACTACTCTGATAACGGGCATGGCGGTGGTGACAGTGGCGGTGGTGAAGATGGCGTCCGTTGA  
TGGGTTTCTGGATCTCAGTGTGCTCCTCCAGTCATCTCTGCAGTCTGTTGCTTCTCCTGTTGGTGGCC  
TCGCTCTTTGCTTGAGGATGGTGAAGACAGAAGAAAGCTGCTGGGCCACCATCAGAGCAGGCACAGT  
CTCTGGAGGGTGATCTCTGTTATGCAGACCTGTCCCTGAAGCAGCCAGAACCCTCCCCTGGCTCCTCTTG  
GAAAAAGGGCTCCTCCATGTCTCCTCTGGCAAGGACCACCAAGAGGAAGTGAATATGTCACCATGGCT  
CCCTTTCCAGGAGGAGGTTTCATATGCCGCTGACTTTGGCCGGCTTGGGTCAAGGAGCCTACTTATG  
GCAATACTGGCTGCCCCATCACCCACGTTCCAGGACAGGCCCTGAAGAGGAGACCACAGAGTACAGCAG  
CATCAGGAGGCCCTTGCTGCAGCCATGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217822 representing NM\_001169153  
 Red=Cloning site Green=Tags(s)

MHLSLLVPFLFWITGCCTAEDPVTGPEEVSGQEQGLSTVQCRYTSGWKDYKKYWCQGVQPQRSCKTLVETD  
 ASEQLVKKNRVSIIRDNRDFIFTVTMEDLRMSDAGIYWCGITKGGLDPMFKVTVNIQPAIQVPITVPTMP  
 PITSTTTIFTVTTTKETSMFPTLTSYSDNGHGGGDSGGGEDGVGDGFLDLVLLPVISAVLLLLLLVA  
 SLFAWRMVRQKKAAGPPSEQAQSLLEGDLCYADLSLKQPRTSPGSSWKKGSSMSSSGKDHQEEVEVYVYVMA  
 PFPREEVSYAALTLAAGLQPEPTYGNTGCPITHVPRTGLEEETTEYSSIRRPLPAAMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

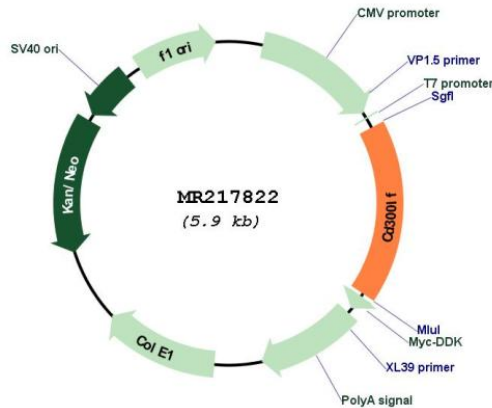
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001169153

**ORF Size:** 1011 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<a href="#">NM_001169153.1</a> , <a href="#">NP_001162624.1</a>
<b>RefSeq Size:</b>	1885 bp
<b>RefSeq ORF:</b>	1014 bp
<b>Locus ID:</b>	246746
<b>UniProt ID:</b>	<a href="#">Q6SIQ7</a>
<b>Cytogenetics:</b>	11 E2
<b>MW:</b>	37.2 kDa
<b>Gene Summary:</b>	Acts as an inhibitory receptor for myeloid cells and mast cells (PubMed:17438331). Positively regulates the phagocytosis of apoptotic cells (efferocytosis) via phosphatidylserine (PS) recognition; recognizes and binds PS as a ligand which is expressed on the surface of apoptotic cells (PubMed:21865548). Plays an important role in the maintenance of immune homeostasis, by promoting macrophage-mediated efferocytosis and by inhibiting dendritic cell-mediated efferocytosis (PubMed:26768664). Negatively regulates Fc epsilon receptor-dependent mast cell activation and allergic responses via binding to ceramide which acts as a ligand (PubMed:23123064). May act as a coreceptor for interleukin 4 (IL-4). Associates with and regulates IL-4 receptor alpha-mediated responses by augmenting IL-4- and IL-13-induced signaling (PubMed:26124135). Negatively regulates the Toll-like receptor (TLR) signaling mediated by MYD88 and TRIF through activation of PTPN6/SHP-1 and PTPN11/SHP-2 (By similarity). Inhibits osteoclast formation (PubMed:14662855). Induces macrophage cell death upon engagement (PubMed:18097021).[UniProtKB/Swiss-Prot Function]