

## Product datasheet for **MC204586**

### Cd300lf (NM\_145634) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd300lf (NM\_145634) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cd300lf  
**Synonyms:** CLIM1; CLM-1; CLM1; Digr2; F730004D16Rik; IgSF13; IREM1; LMIR3; Pigr3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC057864  
GACCAGGAGACGCAGGAGTGGAGCATGTAGCCTGTTCTCGCTGGCAGGCTCCACCAAGGTGACCCGGTGT  
GAGAAGATGCATTTGTCATTGCTGGTCCCCTTTCTCTTCTGGATCACAGGCTGCTGCACGGCTGAGGATC  
CAGTCACAGGTCCAGAGGAGGTGAGCGGTGAGGAGCAGGCTCCTTGACAGTGCAGTGCCGATATACCTC  
AGGCTGGAAGGATTACAAGAAGTACTGGTGCCAAGGAGTTCCTCAGAGATCATGTAAAGTCTTGTGAA  
ACCGATGCATCAGAGCAGCTGGTGAAGAAGAACCCTGTGTCCATCAGGGACAACCAGAGAGACTTCATCT  
TCACAGTGACCATGGAGGATCTGAGGATGAGCGATGCTGGCATTACTGGTGTGGAATTACGAAAGGTGG  
ACTTGATCCCATGTTTAAAGTACTGTGAACATTGGCCAGTGCCAACCATGCCCCCATCACCTCCACC  
ACCACCATCTTACAGTGACAACCACAGTAAAAGAGACCAGCATGTTTCCAACGCTGACTAGCTACTACT  
CTGATAACGGGCATGGCGGTGGTACAGTGGCGGTGGTGAAGATGGCGTGGTGTGGGTTTCTGGATCT  
CAGTGTGCTCCTCCAGTCATCTCTGCAGTCTGTTGCTTCTCCTGTTGGTGGCCTCGCTCTTTGCTTGG  
AGGATGGTGGAGACAGAAGAAAGCTGCTGGGCCACCATCAGAGCAGGCACAGTCTCTGGAGGGTGATC  
TCTGTTATGCAGACCTGTCCCTGAAGCAGCCAGAACCTCCCCTGGCTCCTCTTGAAAAAGGGCTCCTC  
CATGTCCTCCTCTGGCAAGGACCACCAAGGAAGTGGAAATATGTACCATGGCTCCCTTTCCAGGGAG  
GAGGTTTCATATGCCGCTCTGACTTTGGCCGGCTTGGGTGAGGAGCCTACTTATGGCAATACTGGCTGCC  
CCATCACCCACGTTCCAGGACAGGCCTTGAAGAGGAGACCACAGAGTACAGCAGCATCAGGAGGCCCTT  
GCCTGCAGCCATGCCTTAATCTTGGTCTCTGAAGGCGGCTTGGAGCATGGATCTTACATCTGCCTCTGT  
ACCTGCTTCTTACCCGGCCAGCTGGTACTGGAACCTGTCCATCCGCTCTCATGGCCATCAGCTCT  
ACCTTGCTTGAGCTTGGAGTTCAACCTCAGGGAGTTCAGGGAATTAAGGCTCCTCCACATCCCCACTT  
ATAGCCAATGTACCTTGAAGGTACCAGGCAGGCTGCTTCAAGGATGCTGTGTAATCGTATCAACGATG  
ACAATAATAGCAATCAACCTTTATTTATTTGTTTTTTCATATGGGTTTTCCCCCGCCCTCCCCCAGGACAT  
TTTTCATCCTCATACCCATAATCTGTAAATTATTTTATACAAAAGAAAGATAAGTACATATGTGTTAAAGT  
AGAGTTTTGAGATGAGTCTGTATTATCCAAGTAGGCCAAAATAAACCACAAGGTCTGTTTTAAGGAG  
GAAGAGAGAGAGAGAGAGTGAAGAAAG  
AGAGAGAAACAACAAGCAGAAGGTGGAGGGATGCAGAAGGAGTCAAGGATGTTGCACATCCAGCAGCCAG  
CAAGGCCAAGTATCAGACTGTTCTGTTCCGTGAGCGGAGCACTGGGTGGCGATTAGTCTGCCAGTGTCA  
AGGTTGGGTGGAGTTGAATTGATTGTGTACTTTCAGAATTGTAGAAGAATAAAGTTGTATTGTTTTTAA AAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_145634
<b>Insert Size:</b>	993 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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="#">BC057864</a> , <a href="#">AAH57864</a>
<b>RefSeq Size:</b>	1834 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	246746
<b>UniProt ID:</b>	<a href="#">Q6S1Q7</a>
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses a different splice site in the coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p>