

## Product datasheet for MR224419

### Cd300lb (NM\_199221) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd300lb (NM_199221) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd300lb
Synonyms:	CLM-7; Clm7; Gm253; LMIR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224419 representing NM_199221 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTAAGACACTCAGAGGCAACCTGGACAAACAGAACGAGTCAGCTGAGATCTCCAGGGCTTTGGGTA  
TCCCGCTGAGATTTGGATTTGCTGCTGGCTGTTTCATCAAGGAGTGCAGCAAAGTGGGAAGGCAGGACCAT  
GTGGCTGTCCCAGCTTTGCTTCTCTCAGTTTTCCAGGCTGCCTCTCCATCCAAGGCCAGCATTGGTG  
AGGGGTCCAGAGCAGGGTCACTGACTGTGCAATGTCGCTATAGCTCAAGATGGCAAACCAAGAAGT  
GGTGGTCCGGGGAGCAAGCTGGAGCACTTGCAGGGTCCCTCATCCGATCCACTGGGTGAGAGAAAGAAAC  
GAAGAGCGGCCGGCTGTCCATCAGGGACAATCAGAAAAATCACTCATTCCAGTTACCATGGAGATGCTC  
AGGCAAAATGACACGGCACTTACTGGTGGTATTGAAAAGTTCGGAAGTACCCTGGCCCACTGTGGA  
AAGTGAACGTCTACTCGGTGGTAAAGATACCATGTCGACTTCTAATCAACTTCCCTGGCCCACTGTGGA  
CGGCAGTACAGACATGGTGTCTTCTGACTTGCAGAAGAGGACCTATTACATGCTCCTGGTATTTGTGAAG  
GTGCTGCCTTGCTCATTTGGTGGTGTCTCTGGCTGAAGAGGTCAACTCAGAAGGTCCCTGAGG  
AACAGTGGAGACACACTCTGTAGCGATTTGGACTCTGAAGTCTAGCTAAAGACATTTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR224419 representing NM\_199221  
Red=Cloning site Green=Tags(s)

MSKTLRGNLDKQNESAEISRALGIPLRFGFAAGCSSRSAAKWEGRTMWLSPALLLSFPGLSLIQGPALV  
 RGPEQGSVTVQCRYSSRWQTNNKWWCRGASWSTCRVLRSTGSEKETKSGRLSIRDNQKNHSFQVTMEML  
 RQNDTDTYWCGIEKFGTDRGTRVKVNVYSVGKDTMSTSNQLPWPTVDGSTMVSSDLQKRYYMLLVFVK  
 VPALLILVGAVLWLKRSTQKVPEEQWRHTLCSDDLSELLAKDISP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1687\\_c12.zip](https://cdn.origene.com/chromatograms/ja1687_c12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_199221

**ORF Size:** 765 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:**

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\\_199221.2](#), [NP\\_954691.2](#)

**RefSeq Size:** 2880 bp

**RefSeq ORF:** 768 bp

**Locus ID:** 217304

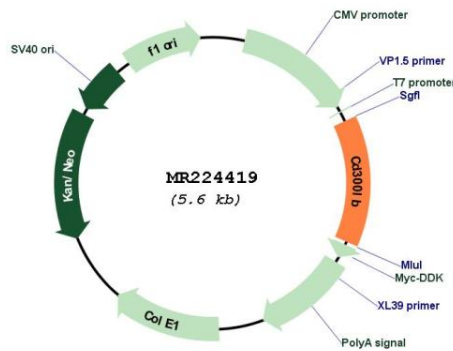
**UniProt ID:** [Q3U497](#)

**Cytogenetics:** 11 E2

**MW:** 29.2 kDa

**Gene Summary:** Acts as an activating immune receptor in mast cells through its interaction with ITAM-bearing adapter TYROBP.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR224419