

Product datasheet for **RG207048**

CD300LB (NM_174892) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD300LB (NM_174892) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD300LB
Synonyms:	CD300b; CLM-7; CLM7; CMRF35-A2; IREM-3; IREM3; TREM-5; TREM5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207048 representing NM_174892 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCAGAAGGTGCAAGCCAGAGCTCGGGCAGAACTCCAGAGTGCATCTGGGATCTGCATTTGCCACT
GGTTGCAGATCAGGCGGACGAGGAGCCGGGAAGGCAGAGCCATGTGGCTGCCCCCTGCTCTGCTCCTTCT
CAGCCTCTCAGGCTGTTTCTCCATCCAAGGCCAGAGTCTGTGAGAGCCCAGAGCAGGGGTCCCTGACG
GTTCAATGCCACTATAAGCAAGGATGGGAGACCTACATTAAGTGGTGGTCCGAGGGGTGCGCTGGGATA
CATGCAAGATCCTCATTGAAACCAGAGGGTCCGAGCAAGGAGAGAAGAGTGACCGTGTGCCATCAAGGA
CAATCAGAAAGACCGCAGTTCCTGTGACCATGGAGGGGCTCAGGCGAGATGACGAGATGTTTACTGG
TGTGGGATTGAAAGAAGAGGACCTGACCTGGGACTCAAGTGAAAGTGATCGTTGACCCAGAGGGAGCGG
CTTCCACAACAGCAAGCTCACCTACCAACAGCAATATGGCAGTGTTCATCGGCTCCACAAGAGGAACCA
CTACATGCTCCTGGTATTTGTGAAGGTGCCATCTTGCTCATCTTGGTCACTGCCATCCTCTGGTTGAAG
GGGTCTCAGAGGGTCCCTGAGGAGCCAGGGGAACAGCCTATCTACATGAACTTCTCCGAACCTCTGACTA
AAGACATGGCCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207048 representing NM_174892
 Red=Cloning site Green=Tags(s)

MCRRCPELGQNFQSASGICICHWLQIRRTSREGRAMWLPALLLLSLSGCFSIQGPESVRAPEQGSLT
 VQCHYKQGWETYIKWWCRGVRWDTKIL IETRGSEQGEKSDRVS IKDNQKDRFTVTMEGLRRDDADVYW
 CGIERRGPDLTQVKVIVDPEGAASTTASPTNSNMAVF IGSHKRNHMMLLVFKVPILLVLTAILWLK
 GSQRVPEEPGEQPIYMNFSLEPLTKDMAT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_174892

ORF Size: 714 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_174892.1](#), [NP_777552.1](#)

RefSeq Size: 2318 bp

RefSeq ORF: 606 bp

Locus ID: 124599

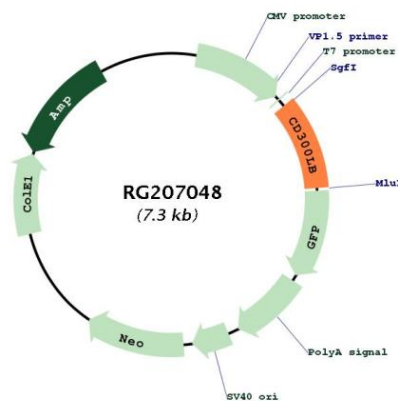
UniProt ID: [A8K4G0](#)

Cytogenetics: 17q25.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: CD300LB is a nonclassical activating receptor of the immunoglobulin (Ig) superfamily expressed on myeloid cells (Martinez-Barriocanal and Sayos, 2006 [PubMed 16920917]). [supplied by OMIM, Mar 2008]

Product images:



Circular map for RG207048