

Product datasheet for RR216047

Cd300lb (NM_001167664) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd300lb (NM_001167664) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd300lb
Synonyms: CD300b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216047 representing NM_001167664
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGCTGTCCCCTGCTCTGCTGCTTCTCAGTTTCCAGGGTGCCTCTCCATCCAAGGCCAGAATTGG
 TGAGGGGTCCAGAGCAGGGTCCGGTACTGTGCAATGTCCTACAGCTCAAGATGGCAAACACAGGAA
 GTGGTGGTGTGAGGGGCACACTGGAGCACTTGCAGGATCCTCATCCGAACCACAGGATCAGAGAAAGAA
 ATGAAGAGTGGCCGGTTGCCATCAGGGACAATCAGAAAAACACTCGTTCAGGTTACCATGGAGATGC
 TTAAGCAAACGACACGGATACTTACTGGTGGGTATCGAAAAATTTGGAAGTACCGTGGGACAGAGT
 TAAAGTGATTGTTTATTAGGTAAGCTACCATGTGCACTTCTAAGCAACTTTCCTGGCCCACCGTGGAC
 AGCAGGGCAGACATGGCGTCTTCTGACTTGCAGAAGAGGACCCATTACATGCTCCTGGTGTGTAAGG
 TGCTGTCTTGTCTACCTTGGCTGGTGTGCTCTGGCTGAAGCAGTCTGACTCAGAAGGTCCTGAGGA
 AGAGTGGAGACACTCTCTGTAGCAATCTAGACTCCGTACCTCTGGCTAAAGACATTTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR216047 representing NM_001167664
 Red=Cloning site Green=Tags(s)

MWLSPELLLSFPGLSLIQPELVRGPEQGSVTVQCHYSSRWQTNRKWWCRGAHWSTCRILIRTTGSEKE
 MKSGRLSIRDNQKNSFQVTMELKQNDTDYWCIEKFGTDRGTRVKVIVYSGKATMSTSKQLSWPTVD
 SRADMASSDLQKRTHYMLLVFVKVPVLLTLAGVVLWLKQSTQKVPEEERHTLCSNLDVPLAKDISP

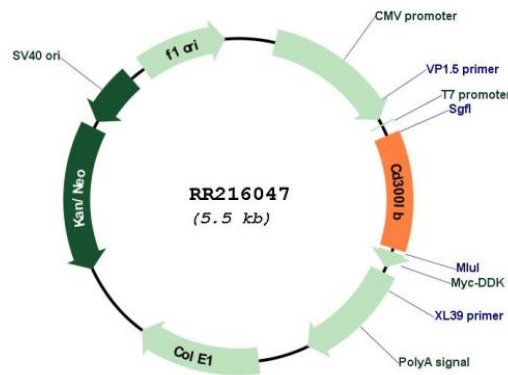
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001167664

ORF Size: 624 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_001167664.1, NP_001161136.1

RefSeq Size: 681 bp

RefSeq ORF: 627 bp

Locus ID: 501738

Cytogenetics: 10q32.1

MW: 23.7 kDa