

Product datasheet for MR201940

Cd300e (NM_172050) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd300e (NM_172050) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd300e
Synonyms: BC034097; Cd300le; CLM2; TREM5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201940 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGCTATGTGCAGGTCTGCTCCTTCTCTGCTTCCAAGGTTGTTTGTCTCTGACGGGCCCTGGCTCTG
 TGTCTGGCTACGTAGGAGGCTCTCCGTGTGCAGTGTCAATATAGTCCATCATATAAGGGCTATATGAA
 AACTGGTGGCAGGACCGCATGACACGACATGTAAAATATTGTAGAAACCGACGGAAGTGAGAAAGAA
 AAGAGGAGTGGCCGGTGTCCATCAGAGACCATGCTTCGAACTCCACCATCACAGTGATCATGGAGGACC
 TCAGCGAAGACAATGCTGGGTCTTACTGGTGAAGATTCAGACTTCCTTTATCTGGGATTCGTGGTCACG
 TGATCCATCGGTCAAGTGAAGGGTGAATGTTTTCCAGCCACAACCTCCTACACTCCAGCCACAACCTGCT
 ATCCTCCCACTAGTGAATTCGGGCAGAACCTGAGGATTAGTACTAATGTGATGTTTCATCTTCCAACCTGT
 GGTCCCTGCTCAGCAGCATCCAGTTCAGGTCTGGTCTTCTGAAGCTGCCTCTGTTTCTGAGCATGCT
 CTGTGCTATCTTCTGGGTGAACAGACTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201940 protein sequence
 Red=Cloning site Green=Tags(s)

MRLCAGLLLLCFQGCLSLTGPGSVSGYVGGSLRVQCQYSPSYKGYMKYWCRGPHDHTTCKTIVETDGESEK
 KRSGPVSIRDHASNSTITVIMEDLSEDNAGSYWCKIQTSFIWDSWSRDPSVSVRVNVFPATTPPLPATT
 ILPLVNSGQNLRISTNVMFIFQLWSLLSSIQFQVLVFLKLPFLSMLCAIFWVNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172050

ORF Size: 591 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_172050.3](#)

RefSeq Size: 1963 bp

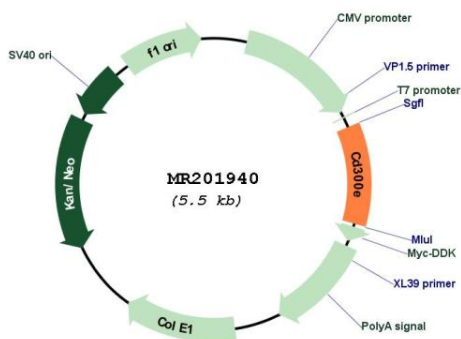
RefSeq ORF: 591 bp

Locus ID: 217306

UniProt ID: [Q8K249](#)

Cytogenetics: 11 E2
MW: 21.8 kDa
Gene Summary: Probably acts as an activating receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201940