

Product datasheet for MR201505

Cd99 (NM_025584) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd99 (NM_025584) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd99
Synonyms: 1110061M03Rik; 2410026K10Rik; D4; pilr-1; Pilr-I
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201505 representing NM_025584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGCGCGCGGCGATGGAGGCGCGGCGACCGTGGTTTTGGCCCTGGCGCTGCTCGGGCCGCGGCGC
 GGGGCGCGGCGAGTGACGACTTCAACCTGGGCGACGCCCTGGAGGACCCCAACATGAAGCCAACCCCAA
 GGCCCAACGCCAAGAAGCCGTCAGGAGGCTTCGACCTGGAGGACGCCCTGCCCGCGGCGGCGGAGGA
 GCGCAGGAGAGAAGCCGGAAACCGGCCCCAGCCGACCCGAAGCCGCAAGGCCACACGGAGACTCAG
 GCGGCATCTCGGACAGCGACCTGGCAGACGCCGCGGGCCAGGGAGAGGCGGAGCCGGGCGACGCGGGAG
 CGGAGACGAAGGCGGCCATGGCGGCGCTGGCGGGCGGAGCCGGAAGGGACGCCCCAGGGCTTGGTGCCG
 GGCGTGGTGGCGCCGTGGTGGCCGCGTGGCGGGCGCGGTGTCGAGCTTCGTGGCTATCAGCGGCGCG
 GCCTGTGCTTCCGCGAGGGCGGCTCCGCCCCCGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201505 representing NM_025584
 Red=Cloning site Green=Tags(s)

MARAAMEAAATVVLALALLGAAARGAASDDFNLDALDPNMKPTPKAPTPKPKPSGGFDLEDALPGGGG
 GAGEKPGNRQPDPKPPRPHGDSGGISDSDLADAAGQGGGAGRRGSGDEGGHGGAGGAEPEGTPQGLVP
 GVVAAVVAAGAVVSSVAYQRRRLCFREGGSAPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1996_e09.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025584

ORF Size: 525 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_025584.2, NP_079860.2](#)

RefSeq Size: 950 bp

RefSeq ORF: 528 bp

Locus ID: 673094

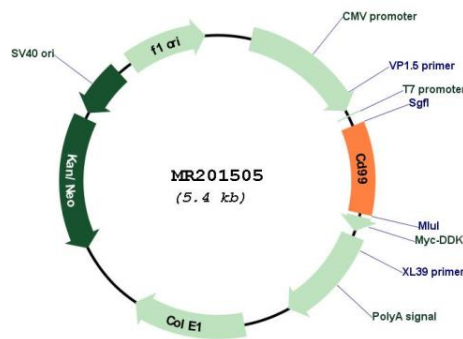
UniProt ID: [Q8VCN6](#)

Cytogenetics: 4

MW: 17.2 kDa

Gene Summary: Involved in T-cell adhesion processes. Plays a role in a late step of leukocyte extravasation helping leukocytes to overcome the endothelial basement membrane. Acts at the same site as, but independently of, PECAM1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201505