

Product datasheet for **MR220268**

Cd59b (NM_181858) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd59b (NM_181858) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd59b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220268 representing NM_181858
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGCTCAGAGGGGACTCATCTTACTCCTGCTGCTTCTGGCTGTCTTCTGTTCCACAGCTGTTAGCC
TCAAATGCTACAACCTGTTTAGACCCGGTTTCTTCATGCAAATAAACACTACTTGCTCTCCTAACCTGGA
TTCCTGTCTCTATGCTGTAGCCGGAAGGCAAGTGTATCAACAGTGTGGAACTTTCGGATTGTAATTCC
AACTATATTATGAGCCGATTAGACGTGGCAGGCATACAAAGCAAATGCTGTCAGTGGGACTTGTGTAACA
AAAATCTTGACGGATTAGAAGACCAAACAACGCAGAACTTCTCATTGAGGAAGACAGCATTGCTGGG
GACCTCAGTTCGTGGCCATTTGAAGTTTGCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220268 representing NM_181858
Red=Cloning site Green=Tags(s)

MRAQRGLILLLLLVAVFCSTAVSLKCYNCLDPVSSCKINTTCSPNLDSCLYAVAGRQVYQCCWKLSDCNS
NYIMSRLDVAGIQSKCCQWDLCKNLDGLEEPNNAETSSLRKTALLGTSVLVAILKFCF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9033_d09.zip

Restriction Sites: Sgfl-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_181858

ORF Size: 387 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_181858.2](#)

RefSeq Size: 796 bp

RefSeq ORF: 390 bp

Locus ID: 333883

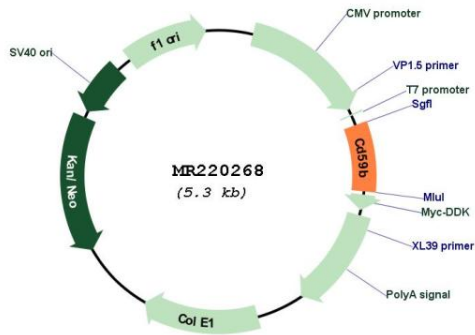
UniProt ID: [P58019](#)

Cytogenetics: 2 E2

MW: 14.7 kDa

Gene Summary: Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR220268