

## Product datasheet for **MC208253**

### **Cd59a (NM\_007652) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd59a (NM\_007652) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cd59a  
**Synonyms:** AA987121; Cd59; protectin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208253 representing NM\_007652  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGAGCTCAGAGGGGACTCATCTTACTCCTGCTGCTTCTGGCTGTGTTCTGTTCCACAGCTGTTAGCC  
TCACATGTACTACTGTTTCCAACCGGTGGTTTCTTCATGCAATATGAACAGCACTTGCTCTCCTGACCA  
GGATTCCTGTCTCTATGCTGTAGCCGGAATGCAAGTGTATCAAAGGTGTTGGAAACAATCAGATTGTCAT  
GGTGAGATCATTATGGACCAATTAAGAAGACAAAATTAATTCAGATGCTGCCAGTTAACTTGTGTA  
ACAAAAGTGACGGATCCTTGGGGAAGACACCATTGCTGGGACCTCGGTTCTGGTGGCCATTTTGAATCT  
TTGTTTCTTAAGTCATCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_007652

**Insert Size:** 372 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_007652.5](#), [NP\\_031678.1](#)

**RefSeq Size:** 1747 bp

**RefSeq ORF:** 372 bp

**Locus ID:** 12509

**UniProt ID:** [O55186](#)

**Cytogenetics:** 2 54.53 cM

**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]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.