# Recombinant Mouse CD59a Protein, Fc-tagged

**Cat. No.** CD59a-898M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant mouse CD59a (NP_031680.2) (Met 1-Lys 95),without the pro peptide, was fused with the Fc region of human IgG1 at the C-terminus. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **ProteinLength** | 1-95 a.a. |
| **Predicted N Terminal** | Leu 24 |
| **Form** | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol. |
| **Molecular Mass** | The secreted recombinant mouse CD59a/Fc is a disulfide-linked homodimer. The reduced monomer comprises 313 amino acids and has a calculated molecular mass of 35.4 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 42 kDa band in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Purity** | >92 % as determined by SDS-PAGE. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70ºC. |
| **Storage** | Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be |

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| | aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents. |

## GENE INFORMATION

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| **Gene Name** | Cd59a CD59a antigen [ Mus musculus ] |
| **Official Symbol** | CD59a |
| **Synonyms** | Cd59; AA987121; protectin; CD59 antigen; MAC-IP; MAC-inhibitory protein; MACIF; membrane attack complex inhibition factor |
| **Gene ID** | 12509 |
| **mRNA Refseq** | NM_001111060 |
| **Protein Refseq** | NP_001104530 |
| **MIM** | |
| **UniProt ID** | O55186 |
| **Chromosome Location** | 2; 2 54.53 cM |
| **Pathway** | Asparagine N-linked glycosylation, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Hematopoietic cell lineage, conserved biosystem |
| **Function** | complement binding |

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