

## Recombinant Rat Cd59 protein(Met1-Asn100), hFc-tagged

**Cat. No.** Cd59-8764R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat CD59 (P27274) (Met1-Asn100) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.                                                                                                                                               |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-100 a.a.                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                               |
| <b>Molecular Mass</b>   | The recombinant rat CD59 /Fc is a disulfide-linked homodimer. The reduced monomer comprises 319 amino acids and has a predicted molecular mass of 35.8 kDa. The apparent molecular mass of the protein is approximately 40 and 43 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                               |
| <b>Purity</b>           | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                              |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

|                  |                                                                                |
|------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b> | Cd59 CD59 molecule, complement regulatory protein [ <i>Rattus norvegicus</i> ] |
|------------------|--------------------------------------------------------------------------------|

|                        |      |
|------------------------|------|
| <b>Official Symbol</b> | Cd59 |
|------------------------|------|

**Synonyms**

CD59; CD59 molecule, complement regulatory protein; CD59 glycoprotein; protectin; CD59 antigen; Cb59b molecule; MAC-inhibitory protein; membrane attack complex inhibition factor; CD59b molecule, complement regulatory protein; Cd59a; Cd59b; MACIF; MACIP; MAC-IP;

|                |       |
|----------------|-------|
| <b>Gene ID</b> | 25407 |
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| <b>mRNA Refseq</b> | NM_012925 |
|--------------------|-----------|

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| <b>Protein Refseq</b> | NP_037057 |
|-----------------------|-----------|

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