

## Recombinant Human CD59 glycoProteinProtein(His Tag)

Catalog Number: GPEH0694

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

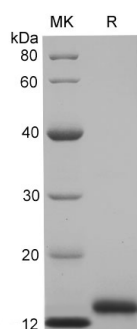
### Description

|               |  |
|---------------|--|
| Species       | Human  |
| Source        | E.coli-derived Human CD59 protein Leu26-Asn102, with an N-terminal His |
| Calculated MW | 10.2 kDa   |
| Observed MW   | 14-16 kDa  |
| Accession     | P13987-1   |
| Bio-activity  | Not validated for activity   |

### Properties

|                |  |
|----------------|--|
| Purity         | > 90% as determined by reducing SDS-PAGE.  |
| Endotoxin      | < 10 EU/mg of the protein as determined by the LAL method  |
| Storage        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping       | This product is provided as lyophilized powder which is shipped with ice packs.  |
| Formulation    | Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.  |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.   |

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

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. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.