

## General Information

### Protein Construction

A DNA sequence encoding the human CD55 precursor (NP\_000565.1) (Met 1-Ser 353) was expressed with the C-terminal fused Fc region of human IgG1.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD97 at 10 µg/ml (100 µl/well) can bind recombinant human CD55 at a linear range of 0.46-30 µg/ml.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Asp 35

### Molecular Mass

The recombinant human CD55/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 557 amino acids and has a predicted molecular mass of 61.7 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD55/Fc monomer is approximately 95-105 kDa due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

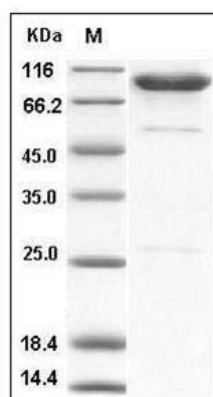
### Storage

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.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD55 / DAF Protein (Fc Tag) SDS-PAGE