Human CD55/DAF (Fc Tag) recombinant protein

Catalog Number: 503258

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℃

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

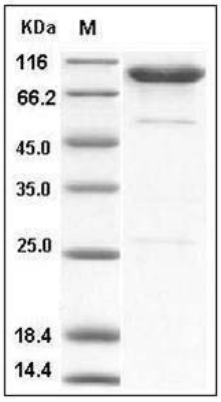
Storage

Store it under sterile conditions at -20℃ to -80℃. 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