Human Complement Component C2 (Fc Tag) recombinant protein

Catalog Number: 504019

General Information

Gene Name Synonym

C3/C5 convertase; Complement C2b fragment; Complement C2a fragment

Protein Construction

A DNA sequence encoding the human complement component 2 (C2) precursor (NP_000054.2) (Met 1-Leu 752) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 95 % 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

Ala 21

Molecular Mass

The recombinant human complement component C2/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 970 amino acids and has a calculated molecular mass of 110 kDa. As a result of glycosylation, the apparent molecular mass of rhC2/Fc monomer is approximately 110-130 kDa in reduced SDS-PAGE.

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

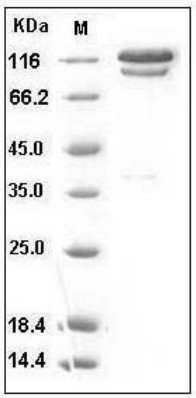
Storage

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 C2 / Complement Component 2 Protein (Fc Tag) SDS-PAGE