

Cynomolgus Betacellulin / BTC (Fc Tag) recombinant protein



Catalog Number: 502041

General Information

Protein Construction

A DNA sequence encoding the cynomolgus BTC (XP_001101880.1) (Met1-Tyr111) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Cynomolgus

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED₅₀ for this effect is typically 5-40 ng/mL.

Purity

> 85 % 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 32

Molecular Mass

The recombinant cynomolgus BTC is a disulfide-linked homodimer. The reduced monomer comprises 321 amino acids and has a calculated molecular mass of 36 KDa. The apparent molecular mass of the protein is approximately 46 KDa respectively in 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

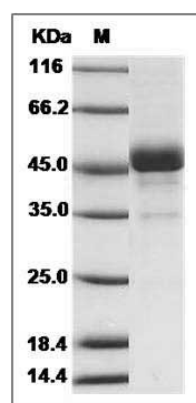
Storage

Store it under sterile conditions at -20°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



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