

Human Cardiotrophin 1 / CTF1 / CT 1 (Fc Tag) recombinant protein



Catalog Number: 500566

General Information

Protein Construction

A DNA sequence encoding the human CTF1(NP_001321.1)(Ser2-Ala201) was expressed with the fused Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.

The ED₅₀ for this effect is typically 0.015-0.06 µg/mL.

Purity

(76.0+8.5) % 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

Glu

Molecular Mass

The recombinant human CTF1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 460 amino acids and has a predicted molecular mass of 49.5 kDa. The apparent molecular mass of the protein is approximately 54 and 37 kDa in SDS-PAGE under reducing conditions 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

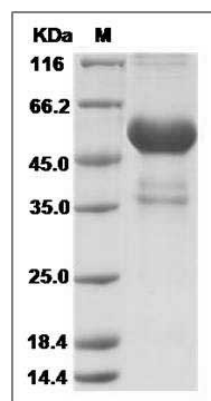
Store it under sterile conditions at -20°C to -80°C.

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



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SDS-PAGE