

Human Cardiotrophin 1 / CTF1 / CT 1 recombinant protein



Catalog Number: 503384

General Information

Protein Construction

A DNA sequence encoding the human CTF1 (NP_001321.1) (Ser2-Ala201) was expressed with two additional amino acids (Gly & Pro) 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 2-10 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

Gly

Molecular Mass

The recombinant human CTF1 comprises 202 amino acids and has a predicted molecular mass of 21.2 kDa. The apparent molecular mass of the protein is approximately 26.6 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

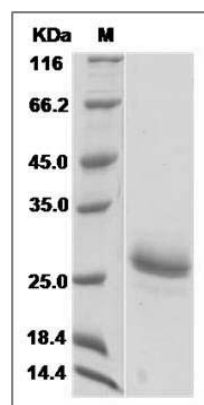
Storage

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



Human Cardiotrophin-1 / CTF1 Protein SDS-PAGE