

Human CNTF/Ciliary Neurotrophic Factor (His Tag) recombinant protein



Catalog Number: 500327

General Information

Protein Construction

A DNA sequence encoding the human CNTF (NP_000605.1) (Ala 2-Met 200) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human His-CNTF (cat:500327) at 10 µg/ml (100 µl/well) can bind biotinylated rat CNTFR-His (Cat:501299). The EC₅₀ of biotinylated rat CNTFR-His (Cat:501299) is 60-140 ng/ml.
2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 1-4 µg/mL.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human CNTF consisting of 214 amino acids and has a calculated molecular mass of 24.5 kDa. The apparent molecular mass of the protein is approximately 27-30 kDa in SDS-PAGE under reducing conditions.

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

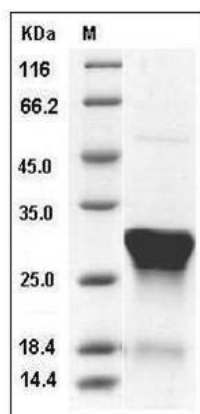
Storage

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 CNTF Protein (His Tag) SDS-PAGE