

Rat CNTF/Ciliary Neurotrophic Factor recombinant protein



Catalog Number: 500106

General Information

Protein Construction

A DNA sequence encoding the rat CNTF (P20294) (Met 1-Met 200) was expressed and purified.

Organism

Rat

Expression Host

E. coli

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized rat CNTF (Cat: 500106) at 10 µg/ml (100 µl/well) can bind biotinylated rat CNTFR-His (aa 1-346) (Cat: 501299) with a linear range of 1.56-50.0 ng/ml.

2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 10-40 ng/ml.

Purity

> 92 % 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 1

Molecular Mass

The recombinant rat CNTF consisting of 200 amino acids and has a calculated molecular mass of 22.9 kDa. It migrates as an approximately 24 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, 0.1M NaCl, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

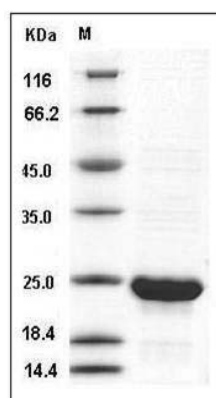
Storage

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



Rat CNTF / Ciliary Neurotrophic Factor Protein SDS-PAGE