

Recombinant Human CNTF Protein

Catalog No.: RP00039

Sequence Information

Species **Gene ID**
Human 1270

Swiss Prot **Tags**
P26441 C-His

Synonyms
CNTF,HCNTF

Product Information

Source **Purification**
E. coli ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
23.77 kDa 25–35 kDa

Endotoxin
< 1 EU/μg of the protein by LAL
method.

Formulation
Lyophilized from a 0.22 μm filtered
solution of 20mM Tris, 150mM
NaCl, pH 8.0. Contact us for
customized product form or
formulation.

Reconstitution
Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1–0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

The protein is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. A mutation in this protein, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease.

Basic Information

Description

Recombinant Human CNTF Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1–Met200) of human CNTF (Accession #NP_000605.1) fused with a 6×His tag at the C-terminus.

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cell line. The ED₅₀ for this effect is 13.5–54 ng/mL.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

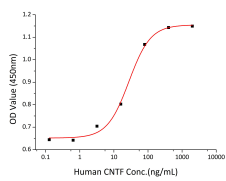
Contact

☎ | 400-999-6126

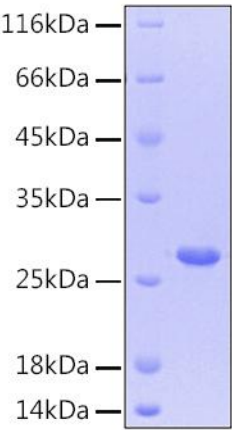
✉ | cn.market@abclonal.com.cn

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Validation Data



Recombinant Human CNTF stimulates cell proliferation of the TF-1 human erythroleukemic cell line. The ED_{50} for this effect is 13.5-54 ng/mL.



Recombinant Human CNTF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.