Recombinant Human CNTF

CATALOG #:

4017-20	20 µg
4017-100	100 µg
4017-1000	1 mg

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of CNTF.

MOL. WEIGHT: 22.9 kDa

FORM: Sterile filtered and lyophilized without additives

RECONSTITUTION:
Centrifuge the vial prior to opening. Reconstitute in 5 mM Sodium Phosphate, pH 7.5 to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or –20°C for future use.

STORAGE CONDITIONS:
The lyophilized CNTF is best-stored desiccated below 0°C. Reconstituted CNTF should be stored at working aliquots at -20°C.

DESCRIPTION:
CNTF (Ciliary Neurotrophic Factor) is a potent neural factor that was originally characterized as a survivability factor for chick ciliary neurons *in vitro*. CNTF has also been shown to promote survivability and differentiation of other neuronal cell types. Recombinant human CNTF is a 22.9 kDa protein containing 200 amino acid residues.

BIOLOGICAL ACTIVITY:
The ED_{50} as determined by the dose-dependent proliferation of human TF-1 cells is $\leq$ 2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.
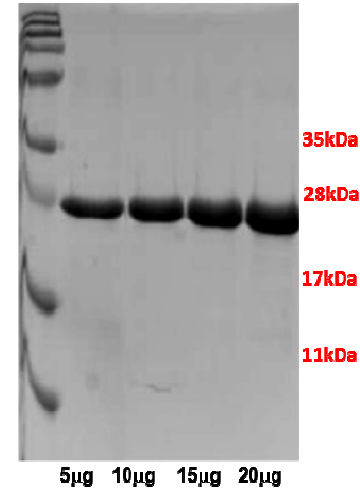
15%SDS-PAGE gel of purified CNTF.
Lane 1: protein marker. Lane 2-5: CNTF

RELATED PRODUCTS:
Signal Transduction
- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer
- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays
- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines
Monoclonal and Polyclonal Antibodies