CNTF
Recombinant Human Ciliary Neurotrophic Factor

Catalog No.	CRC400A CRC400B CRC400C	**Quantity:**	5 µg 20 µg 1.0 mg

Alternate Names: Growth-Promoting Activity, HCNTF, GPA

Description: Recombinant Human CNTF is a single, non-glycosylated polypeptide chain containing 199 amino acids.

GeneID: 1270

Protein Accession No: NP_000605

Source: *E. coli*

Molecular Weight: 22.8 kDa

Formulation: Lyophilized from a sterile filtered solution in PBS, pH 7.4

Purity: >97.0% by HPLC and SDS-PAGE

Endotoxin Level: <0.1 ng/µg of CNTF

Biological Activity: Determined by the dose-dependant stimulation of TF-1 cells. The ED_{50} is < 2 ng/mL.

Specific Activity: >5 x 10^5 units/mg

Amino Acid Sequence: MAFTEHSPLT PHRRDLCSRS IWLARKLRSD LTALTESYVK HQGLNKNINL DSADGMPVAS TDQWSELTEA ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLLQVAAFA YQIEELMILL EYKIPRNEAD GMPINVGDGG LFEKKLWGLK VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

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