

Human CNTF / Ciliary Neurotrophic Factor

Synonyms: HCNTF, CNTF, Ciliary Neurotrophic Factor.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1280.950.005		
20 µg	1280.950.020		
1 mg	1280.950.199		

Please enquire for bulk quantities and other vial sizes

Description

Ciliary Neurotrophic Factor Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 199 amino acids and having a molecular mass of 22706 Dalton.

- **Biological Activity** $\geq 5 \times 10^5$ IU/mg
- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** Lyophilized from a concentrated (1mg/ml) solution in water containing 5mM sodium phosphate buffer pH=7.5 and 5mM sodium chloride*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by the dose-dependant stimulation of TF-1 cells is < 2 ng/ml, corresponding to a Specific Activity of 500,000IU/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

Lyophilized Ciliary Neurotrophic Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CNTF should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Phe-Thr-Glu.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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