

Quality Control Record

Catalog No.: 033-37-A

Lot No.: 425939

Product: **Ciliary Neurotrophic Factor (CNTF) (Human) (Recombinant)**

Description: Ciliary Neurotrophic Factor is a potent neural factor that was originally characterized as a survivability factor for chick ciliary neurons in vitro. CNTF also has been shown to promote survivability and differentiation of other neural cell types. Recombinant Human CNTF is a 22.7 kDa protein containing 199 amino acid residues.

Source: E.Coli

Purity: >98% as determined by SDS-PAGE and HPLC analysis.

Endotoxin level: <1EU/ μ g of Cytokinin (By LAL method).

Appearance: White powder

Activity:

ED₅₀ as determined by the dose-dependent proliferation of human TF-1 cells is 50-150 ng/ml

Protein Content:

The contents of this vial have been accurately determined to contain 5 μ g of NET protein.

Solubility and Reconstitution:

After a quick spin, reconstitute with 5 mM Sodium Phosphate, pH 7.5 to a concentration of 0,1-1.0 mg/ml.

Storage Conditions:

The lyophilized powder is stable for a few weeks at room temperature, but best stored at --20°C for up to 12 months after date of receipt. The solution can be stored at 2-8°C for 1 week or -20°C for future use. Reconstituted human CNTF should be stored in undiluted aliquots at -20°C for up to 6 months. Avoid repeated freeze/thaw cycles