

## **Quality Control Record**

**Catalog No.:** 033-38-A

**Lot No.:** 426481

**Product:** **Ciliary Neurotrophic Factor (CNTF) (Rat) (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 Rat 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/ $\mu$ g of rat CNTF (By LAL method).

**Appearance:** White powder

**Activity:**

ED<sub>50</sub> as determined by the dose-dependent proliferation of human TF-1 cells is  $\leq$ 15-30 ng/ml

**Protein Content:**

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

**Solubility and Reconstitution:**

After a quick spin, reconstitute with 5 mM Tris, pH 8.0 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