

## 32-20059: Animal-Free Recombinant Human CNTF(Discontinued)

**Reactivity :** monkey  
**Alternative Name :** Ciliary Neurotrophic Factor

### Description

**Source:** **E.coli** CNTF is a potent neural factor that was originally characterized as a vital factor for the survival of chick ciliary neurons in vitro. CNTF is also important for the survival of other neural cell types, including primary sensory neurons, motor neurons, basal forebrain neurons and type 2 astrocytes. CNTF is highly conserved across species and exhibits cross-species bioactivity. Recombinant Human CNTF is synthesized as a 199 amino acid polypeptide (22.8 kDa) lacking a hydrophobic N-terminal signal for secretion.

### Product Info

**Amount :** 5 µg / 20 µg  
**Purification :** Purity:  $\geq 98\%$  by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** AFTEHSPLTP HRRDLCSRSI WLARKIRSDL TALTQSYVKH QGLNKNINLD SADGMPVAST DQWSQLTQAA  
RLQQNLQAYR TFHVLLARLL QDQQVHFTPT QGDFHQAIHT LLLQVAAFAY QIQQLMILLQ YKIPRNQADG  
MPINVG DGGL FQKKLWGLKV LQQLSQWTVR SIHDLRFISS HQTGIPARGS HYIANNKKM

### Application Note

Determined by its ability to stimulate proliferation of human TF-1 cells using an  $ED_{50}$  concentration range of 50-150 ng/ml.