

## 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 DQWSQLTQAQ  
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.