

**Animal-Free Recombinant Human CNTF**  
**Catalog # PBG10566****Specification**

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**Animal-Free Recombinant Human CNTF - Product Information****Animal-Free Recombinant Human CNTF - Additional Information****Description**

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.

**Biological Activity**

Determined by its ability to stimulate proliferation of human TF-1 cells using an **ED<sub>50</sub>** concentration range of 50-150 ng/ml.

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Animal-Free Recombinant Human CNTF is for research use only and not for use in diagnostic or therapeutic procedures.

**Animal-Free Recombinant Human CNTF - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Animal-Free Recombinant Human CNTF - Images**