

## Mouse CNTF, His Tag, E. coli

**Catalog Number** LDG086PME

**Package** 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Mouse

#### Affinity Tag

His Tag (C-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to induce proliferation in TF-1 cells. The ED<sub>50</sub> for this effect is <10 ng/mL. The specific activity of recombinant mouse CNTF is > 1 x 10<sup>5</sup> IU/mg.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 23.40 kDa. The protein migrates as 17-25 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

### Background

#### Tainan Headquarter

+886-6-2536677 +886-6-2531536

info@leadgene.com.tw

#### Taipei Office

+886-2-27065528

### Background

Ciliary Neurotrophic Factor (CNTF) is the member of IL-6 cytokine family and mainly expressed in the nervous system. Mouse CNTF shares 84% sequence homology with human CNTF. CNTF is 22.9 kDa neurotrophic factor containing 110 residues, which shows multiple effects in vertebrate retinogenesis. Besides, CNTF acts as a promoter that not only accelerates adult neurogenesis but also increases the survival of neuron after injury.

### Uniprot ID

#P51642

### Synonyms

Ciliary neurotrophic factor, CNTF

### Sequence Note

Met1-Met198

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image

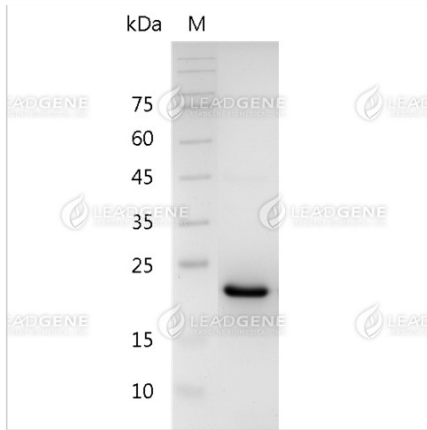
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SDS-PAGE analysis of  
recombinant mouse CNTF.

**Disclaimer :** For Research Use or Further Manufacturing Only.

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