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## 32-12025: Human Ciliary Neurotrophic Factor

**Gene :** CNTF **Gene ID :** 1270 **Uniprot ID :** P26441

Alternative Name: Ciliary neurotrophic factor

## **Description**

Source: Genetically modified E.coli.

Predicted MW: Monomer, 22.9 kDa (200 aa)

Ciliary neurotrophic factor (CNTF) is a neurotrophic factor that promotes the survival of neuronal cell populations, neurite outgrowth, and neurotransmitter synthesis. CNTF also plays an important protective role during nervous system injury.

## **Product Info**

**Amount :**  $20 \mu g / 100 \mu g$ 

**Purification:** Reducing and Non-Reducing SDS PAGE at >= 95%

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium

**Content :** phosphate, pH 7.5

Sterile water at 0.1 mg/mL

**Storage condition :** Store at -20°C

Amino Acid: MAFTEHSPLT PHRRDLCSRS IWLARKIRSD LTALTESYVK HQGLNKNINL DSADGMPVAS TDQWSELTEA

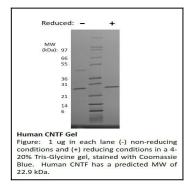
ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLLQVAAFA YQIEELMILL EYKIPRNEAD

GMPINVGDGG LFEKKLWGLK VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM

## **Application Note**

**Endotoxin:** Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Biological Activity was determined by TF-1 cell proliferation at <=325 ng/mL;  $>=3.1 \times 10^3$  units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.





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