

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 µg / 100 µg
Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$
Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Sterile water at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : MAFTEHSPLT PHRRDLCRSR IWLARKIRSD LTALTESYVK HQGLNKNINL DSADGMPVAS TDQWSELTEA
ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLQVAAFA YQIEELMILL EYKIPRNEAD
GMPINVDGG 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; $\geq 3.1 \times 10^3$ 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 vial to compensate for this loss.



