

32-12025: Human Ciliary Neurotrophic Factor

Gene :CNTFGene ID :1270Uniprot ID :P26441Alternative 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 $>= 95\%$ |
| 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 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/ μ g (1 IEU/ μ g) 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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| MW | | |
| (kDa): 97 | and the second s | |
| 66 | | |
| 55 | | |
| | | |
| | | |
| 36 | | |
| 51 | | |
| 21 | | |
| | | |
| 14 | and the second se | |
| 6 | Contraction of the local division of the loc | |
| | COLUMN REPORT OF COLUMN | |
| | | |
| Human CNTF G | el | |
| Figure: 1 ug in each lane (-) non-reducing | | |
| conditions and (+) reducing conditions in a 4- | | |
| 20% Tris-Glycine gel, stained with Coomassie | | |
| Blue. Human CNTF has a predicted MW of | | |
| 22.9 kDa. | | |
| 22.9 KDa. | | |

For Research Use Only. Not for use in diagnostic/therapeutics procedures.



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