

AR39096PU-N

Human CNTF (1-200) - Purified

Alternate names:

Ciliary Neurotrophic Factor

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

CNTF (Ciliary neurotrophic factor) is a polypeptide hormone whose actions appear to be restricted to the nervous system where it promotes neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. This protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. CNTF protein is structurally related to leukemia inhibitory factor (LIF), interleukin-6 (IL-6), interleukin-11 (IL-11) and oncostatin M (OSM). It is localized in the cell nucleus subsequent to receptor binding.

Uniprot ID:

[P26441](#)

NCBI:

[NP_000605](#)

GeneID:

[1270](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol

Description:

Recombinant human CNTF protein was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MAFTEHSPLT PHRRDLCSRS IWLARKIRSD LTALTESYVK HQGLNKNINL DSADGMPVAS
TDQWSELTEA ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLLQVAAFA
YQIEELMILL EYKIPRNEAD GMPINVGDDG LFEKKLWGLK VLQELSQTWV RSIHDLRFIS
SHQTGIPARG SHYIANNKKM

Molecular weight: 22.9 kDa (200aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

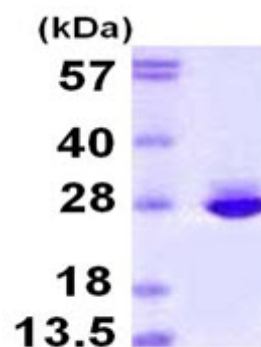
Shelf life: one year from despatch.

General Readings:

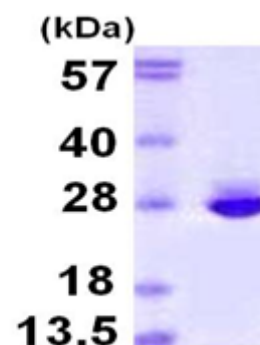
Robert F., et al. (2007) J Biol Chem. 282(46):33421-33434.

Pictures:

CNTF, 1-200 aa, Human



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)