

Recombinant Human CNTF

CATALOG #:	4017-20	20 µg
	4017-100	100 µg
	4017-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of CNTF.	
MOL. WEIGHT:	22.9 kDa	
FORM:	Sterile filtered and lyophilized without additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in 5 mM Sodium Phosphate, pH 7.5 to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

STORAGE CONDITIONS:

The lyophilized CNTF is best-stored desiccated below 0°C. Reconstituted CNTF should be stored at working aliquots at -20°C.

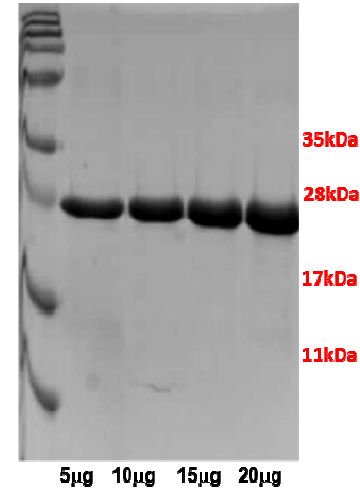
DESCRIPTION:

CNTF (Ciliary Neurotrophic Factor) is a potent neural factor that was originally characterized as a survivability factor for chick ciliary neurons *in vitro*. CNTF has also been shown to promote survivability and differentiation of other neuronal cell types. Recombinant human CNTF is a 22.9 kDa protein containing 200 amino acid residues.

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent proliferation of human TF-1 cells is ≤ 2 ng/ml, corresponding to a specific activity of $\geq 5 \times 10^5$ units/mg.

FOR RESEARCH USE ONLY! Not to be used in humans.



15%SDS-PAGE gel of purified CNTF.
Lane 1: protein marker. Lane 2-5: CNTF

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- PLTP Activity Assay & Drug Discovery Kits
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