



Recombinant Human CNTF

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-007
Size:	20 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	1270
Synonyms:	CNTF; HCNTF

CNTF is a potent neural factor that was originally characterized as a vital factor for the survival of chick ciliary neurons in vitro. CNTF is also important for the survival of other neural cell types including primary sensory neurons, motor neurons, basal forebrain neurons and type 2 astrocytes. CNTF is highly conserved across species and exhibits cross-species bioactivity. Recombinant human CNTF is synthesized as a 199 amino acid polypeptide (22.7 kDa) lacking a hydrophobic N-terminal signal for secretion

Sequence

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MAFTEHSPLT PRRDLCSRS IWLARKLRSD LTALTESYVK  
HQGLNKNINL DSADGMPVAS TDQWSELTEA ERLQENLQAY  
RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLQVAAFA  
YQIEELMILL EYKIPRNEAD GMPINVDGG LFEKKLWGLK  
VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM
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Database References

Protein RefSeq:	NP_000605
Uniprot ID:	P26441
mRNA RefSeq:	NM_000614

Product Specifications

Expressed in	E. coli
Purity	98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	199
MW:	22.7 kDa

Biological Activity: Determined by its ability to stimulate proliferation of human TF-1 cells using an ED50 concentration range of 50-150 ng/ml.



AVOID REPEATED FREEZE AND THAW CYCLES!