

## Product datasheet for **TP723056**

### CNTF (NM\_000614) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ciliary neurotrophic factor (CNTF).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	AFTEHSPLTP HRRDLCSRSI WLARKIRSDL TALTQSYVKH QGLNKNINLD SADGMPVAST DQWSQLTQAQ RLQQNLQAYR TFHVLLARLL QDQQVHFTPT QGDFHQAIHT LLLQVAAFAY QIQQLMILLQ YKIPRNQADG MPINVGDDGGL FQKKLWGLKV LQQLSQWTVR SIHDLRFISS HQTGIPARGS HYIANNKKM
Tag:	Tag Free
Predicted MW:	22.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	Determined by its ability to stimulate proliferation of human TF-1 cells using an ED50 concentration range of 50-150 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/ $\mu$ g of protein (< 1 EU/ $\mu$ g)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000605</a>
Locus ID:	1270
UniProt ID:	<a href="#">P26441</a>
RefSeq Size:	1891
Cytogenetics:	11q12.1
RefSeq ORF:	600
Synonyms:	HCNTF



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**Summary:**

The protein encoded by this gene 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. The protein is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. A mutation in this gene, which results in aberrant splicing, leads to ciliary neurotrophic factor deficiency, but this phenotype is not causally related to neurologic disease. A read-through transcript variant composed of the upstream ZFP91 gene and CNTF sequence has been identified, but it is thought to be non-coding. Read-through transcription of ZFP91 and CNTF has also been observed in mouse. [provided by RefSeq, Oct 2010]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

**Product images:**