

Product datasheet for **AR09011PU-L**

CNTF (1-200, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CNTF (1-200, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MAFTEHSPLT PHRRDLCSRS IWLARKIRSD LTALTESYVK HQGLNKNINL DSADGMPVAS TDQWSELTEA ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLLQVAafa YQIEELMILL EYKIPRNEAD GMPINVGDDG LFEKKLWGLK VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM
Tag:	His-tag
Predicted MW:	25 kDa
Concentration:	lot specific
Purity:	>95% >= 95% by SDS PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris pH 8.0, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CNTF, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Note:	NCBI Accession: NP_000605
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000605
Locus ID:	1270
UniProt ID:	P26441
Cytogenetics:	11q12.1
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: