

Recombinant Full Length Human CNTF Protein, GST-tagged

Cat. No. CNTF-1966HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CNTF full-length ORF (NP_000605.1, 1 a.a. - 200 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	200 amino acids
Description	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]
Molecular Mass	49.3 kDa
AA Sequence	MAFTEHSPLTPHRRDLCSRSIWLARKIRSDLTALTESYVKHQGLNKNINLDSADGMP VASTDQWSELTEAERLQENLQAYRTFHVLLARLLEDQQVHFTPTEGDFHQAIHTLLL QVAAFAYQIEELMILLEYKIPRNEADGMPINVGDGLFEKKLWGLKVLQELSQWTVR

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SIHDLRFISSHQTGIPARGSHYIANNKKM

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CNTF ciliary neurotrophic factor [Homo sapiens]

Official Symbol

CNTF

Synonyms

CNTF; ciliary neurotrophic factor; HCNTF

Gene ID

1270

mRNA Refseq

NM_000614

Protein Refseq

NP_000605

MIM

118945

UniProt ID

P26441

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