

# Recombinant Full Length Human CNTF Protein, GST-tagged

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

## SPECIFICATION

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

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|                         |                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------|
|                         | SIHDLRFISSHQTGIPARGSHYIANNKKM                                                                                     |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                            |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                          |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |
| <b>GENE INFORMATION</b> |                                                                                                                   |
| <b>Gene Name</b>        | CNTF ciliary neurotrophic factor [ Homo sapiens ]                                                                 |
| <b>Official Symbol</b>  | CNTF                                                                                                              |
| <b>Synonyms</b>         | CNTF; ciliary neurotrophic factor; HCNTF                                                                          |
| <b>Gene ID</b>          | 1270                                                                                                              |
| <b>mRNA Refseq</b>      | NM_000614                                                                                                         |
| <b>Protein Refseq</b>   | NP_000605                                                                                                         |
| <b>MIM</b>              | 118945                                                                                                            |
| <b>UniProt ID</b>       | P26441                                                                                                            |

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