

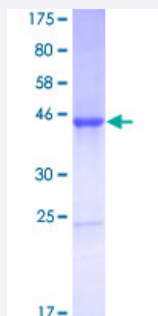
Full-Length

CNTF (Human) Recombinant Protein (P01)

Catalog # H00001270-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CNTF full-length ORF (NP_000605.1, 1 a.a. - 200 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAFTEHSPLTPHRRDLCRSRWLARKIRSDLTALTESYVKHQGLNKNINLDSADGMPVASTDQWS
ELTEAERLQENLQAYRTFHVLLARLLEDQQVHFTPTGDFHQAIHTLLQVAAFAYQIEELMILLEYK
IPRNEADGMPINVGDGGLFEKKLWGLKVLQELSQWTVRSIHDLRFISSHQTGIPARGSHYANNKK
M

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

49.3

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — CNTF

Entrez GeneID [1270](#)

GeneBank Accession# [NM_000614.2](#)

Protein Accession# [NP_000605.1](#)

Gene Name CNTF

Gene Alias HCNTF

Gene Description ciliary neurotrophic factor

Omim ID [118945](#)

Gene Ontology [Hyperlink](#)

Gene 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 ZFP91 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]

Other Designations OTTHUMP00000174731

Pathway

- [Cytokine-cytokine receptor interaction](#)

- [Jak-STAT signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Obesity](#)
- [Overweight](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)
- [Weight Loss](#)