

Recombinant Human CNTF Protein, GST-tagged

Cat. No. CNTF-1606H 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 Wheat Germ

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
 MAFTEHSPLTPHRRDLCRSIWLARKIRSDLTALTESYVKHQGLNKNINLDSADGMP
 VASTDQWSELTEAERLQENLQAYRTFHVLLARLLEDQQVHFTPTEGDFHQAIHTLLL
 QVAAFAYQIEELMILLEYKIPRNEADGMPINVGDGGGLFEKKLWGLKVLQELSQWTVR
 SIHDLRFISSHQTGIPARGSHYIANNKKM

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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

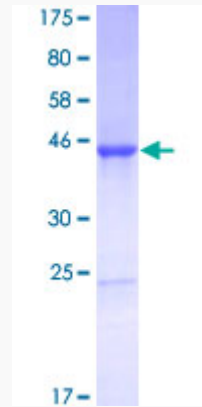
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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