

Recombinant Human CNTF Protein

Cat. No. CNTF-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CNTF Protein(P26441)(1-200 aa) was expressed in E. coli.
Species	Dog
Source	E.coli
ProteinLength	1-200 aa
Tag	Non
Form	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 150 ng/ml, corresponding to a specific activity of $> 6.7 \times 10^3$ IU/mg.
Molecular Mass	Approximately 22.9 kDa, a single non-glycosylated polypeptide chain containing 200 amino acids.
Endotoxin	Less than 1 EU/µg of rHuCNTF as determined by LAL method.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile

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conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C.

AA Sequence

MAFTEHSPLT PHRRDLCRSR IWLARKIRSD LTALTESYVK HQGLNKNINL
DSADGMPVAS TDQWSELTEA ERLQENLQAY RTFHVLLARL LEDQQVHFTP
TEGDFHQAIH TLLLQVAAFA YQIEELMILL EYKIPRNEAD GMPINVGDDG
LFEKKLWGLK VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM

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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