

Recombinant Human CNTF protein

Cat. No. CNTF-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CNTF protein was expressed in E. coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 µm filtered solution in 1 × PBS, pH 7.0, with 5 % Trehalose, 0.02 % Tween-20, 0.02 % Tween-80, 1 mM EDTA.
Molecular Mass	Approximately 22.9 kDa, a single non-glycosylated polypeptide chain containing 200 amino acids.
AASequence	MAFTEHSPLT PHRRDLCSRS IWLARKIRSD LTALTESYVK HQGLNKNINL DSADGMPVAS TDQWSELTEA ERLQENLQAY RTFHVLLARL LEDQQVHFTP TEGDFHQAIH TLLLQVAAFA YQIEELMILL EYKIPRNEAD GMPINVDGG LFEKKLWGLK VLQELSQWTV RSIHDLRFIS SHQTGIPARG SHYIANNKKM
Endotoxin	Less than 0.1 EU/µg of rHuCNTF as determined by LAL method.
Purity	≥ 97 % by SDS-PAGE analysis.
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 conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

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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 $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	CNTF ciliary neurotrophic factor [Homo sapiens]
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Official Symbol	CNTF
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Synonyms	CNTF; ciliary neurotrophic factor; HCNTF;
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Gene ID	1270
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mRNA Refseq	NM_000614
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Protein Refseq	NP_000605
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MIM	118945
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UniProt ID	P26441
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