

Active Recombinant Human CNTF protein, His-tagged

Cat. No. CNTF-566H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CNTF protein(NP_000605.1) (Ala 2-Met 200) was expressed in E.coli, with a polyhistidine tag at the N-terminus.
Species	Human
Source	E.coli
ProteinLength	2-200 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human His-CNTF at 10 µg/ml (100 µl/well) can bind biotinylated rat CNTFR-His. The EC50 of biotinylated rat CNTFR-His is 60-140 ng/ml. 2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 1-4 µg/mL.
Molecular Mass	The recombinant human CNTF consisting of 214 amino acids and has a calculated molecular mass of 24.5 kDa. The apparent molecular mass of the protein is approximately 27-30 kDa in SDS-PAGE under reducing conditions.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

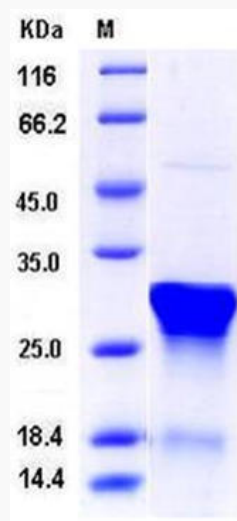
UniProt ID P26441

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SDS-PAGE



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