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Human CNTF protein

Cat #: PRP1002 Size: 5 μg/20 μg/100 μg/1 mg

Product Information

	Product Name: Human CNTF protein		
REF	**Catalog Number**: PRP1002	LOT	**Lot Number:** Refer to product label
	Purity: >98% as determined by SDS-PAGE		
	Storage: Store at -20°C		**Preparation method:** *E.Coli*
	Shipping: The product is shipped at ambient temperature.		

Background: Ciliary neurotrophic factor (CNTF) is a member of the cytokine family. CNTF is a survival factor for various neuronal cell types. Subsequent studies have demonstrated that CNTF is a survival factor for additional neuronal cell types including: dorsal root ganglion sensory neurons, sympathetic ganglion neurons, embryonic motor neurons, major pelvic ganglion neurons and hippocampal neurons.

Sequence: Amino acid sequence derived from Human CNTF(P26441)(Ala2-Met200) was expressed.

Protein length: The recombinant Human CNTF consists of 199 amino acids and has a predicted molecular mass of 22 kDa.

Endotoxin: <0.1 EU per μg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.5.

Storage Instructions: Lyophilized Human CNTF protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human CNTF protein using the buffer we provided not less than 100 μg/mL, which can then be further diluted to other aqueous solutions.

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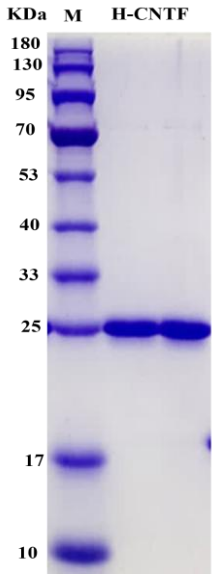
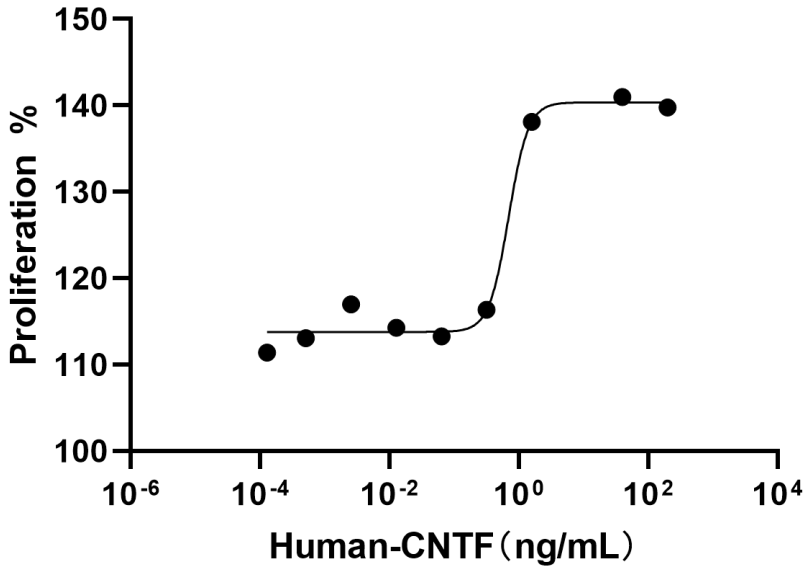


Fig. SDS-PAGE analysis of Human CNTF protein.

Biological Activity: Measured in a cell proliferation assay using TF-1. The ED_{50} for this effect is typically 0.35 ng/mL. The specific activity of recombinant Human CNTF is approximately >2.86 x 10^6 IU/mg.



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