


Mouse CNTF Protein

Cat #: PRP1140

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Mouse CNTF Protein		
REF	Catalog Number: PRP1140	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. It is a polypeptide hormone that has functions in promoting neurotransmitter synthesis and neurite outgrowth in certain neuronal populations. Its actions appear to be restricted to the nervous system. Ciliary neurotrophic factor (CNTF) has biological effects through the activation of a multi-subunit receptor complex, consisting of an extracellular CNTF binding subunit (CNTF α) and two transmembrane signal transduction proteins: glycoprotein gp130 and LIF receptor. CNTF is considered as a potent survival factor of neurons and oligodendrocyte and may be relevant in reducing tissue destruction during inflammatory attacks.

Sequence: Amino acid sequence derived from Mouse CNTF (Ala2-Met198) (P51642) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Mouse CNTF consists of 198 amino acids and predicts a molecular mass of 22.6 kDa.

Biological Activity: Measure by its ability to induce proliferation in TF-1 cells, The ED₅₀ for this effect is <10 ng/mL.

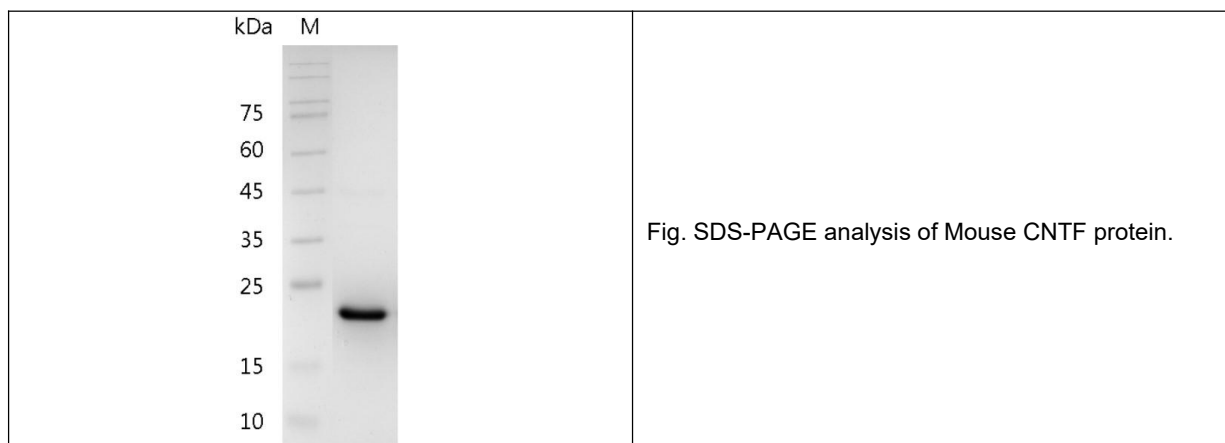
Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized 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 (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Mouse CNTF protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully

dissolve. Please avoid vortex vigorously.



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