


Rat-CNTF protein

Cat #: PRP1222

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Rat-CNTF protein		
REF	Catalog Number: PRP1222	LOT	Lot Number: Refer to product label
	Purity: > 97 % 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 the function of promoting the synthesis of neurotransmitters and the growth of neurites in a specific neuronal population. Its action seems to be limited to the nervous system. Ciliary neurotrophic factor (CNTF) exerts its biological effects by activating a multi-subunit receptor complex consisting of an extracellular CNTF-binding subunit (CNTF α) and two transmembrane signaling proteins (glycoprotein gp130 and LIF receptor). CNTF is thought to be a potent survival factor in neurons and oligodendrocytes and may be associated with reduced tissue destruction during inflammatory episodes. CNTF is also a survival factor for peripheral sensory sympathetic ganglions and ciliary ganglia neurons. CNTF has been reported to have therapeutic potential and to greatly differentiate.

Sequence : Amino acid sequence derived from the processed form of Rat-CNTF (P20294) (Met 1-Met 200) was expressed.

Protein length: The recombinant Rat CNTF consisting of 200 amino acids and has a calculated molecular mass of 22.9 kDa. It migrates as an approximately 24 kDa band in SDS-PAGE under reducing conditions.

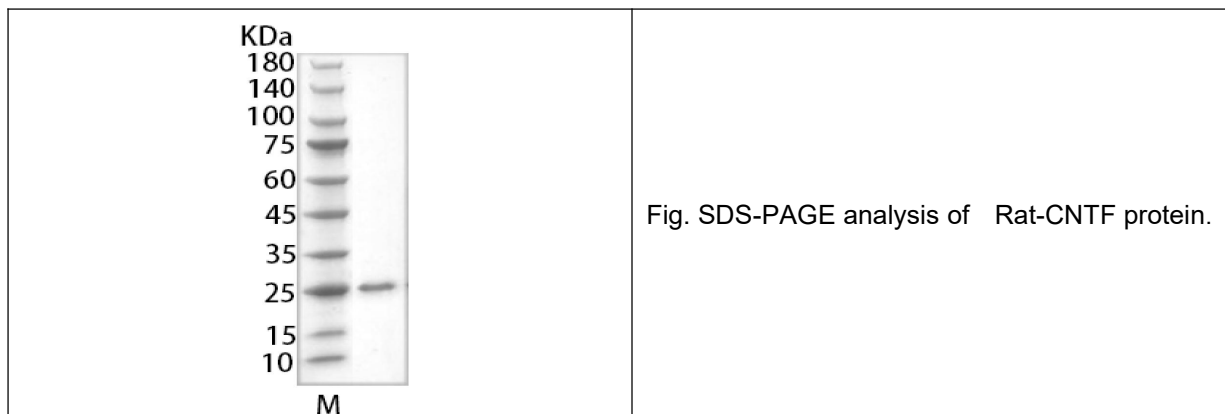
Biological Activity: Testing in progress

Endotoxin: <1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris 50mM NaCl ,pH 8.0.

Storage Instructions: Lyophilized Rat-CNTF protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°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 Rat-CNTF protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



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