


Human β -NGF protein

Cat #: PRP1061

Size: 20 μ g/100 μ g/500 μ g/1mg

Product Information

	Product Name: Human β -NGF protein		
REF	Catalog Number: PRP1061	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: Beta-Nerve Growth Factor (β -NGF), also known as Beta-NGF, NGF, NGFB, is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. β -NGF can also downregulate the production of IFN- γ by T cells. Recombinant β -NGF has been used in many clinical trials to treat different disease including Alzheimer's disease, diabetic polyneuropathy, and HIV-associated peripheral neuropathy.

Sequence: Amino acid sequence derived from Human β -NGF (Ser122-Ala241) (P01138) was expressed with 6 \times His tag at the C-terminus.

Protein length: The secreted Human β -NGF consists of 120 amino acids and has a predicted molecular mass of 13.5 kDa.

Biological Activity: Measure by its ability to induce TF-1 cells proliferation. The ED₅₀ for this effect is <0.7 ng/mL.

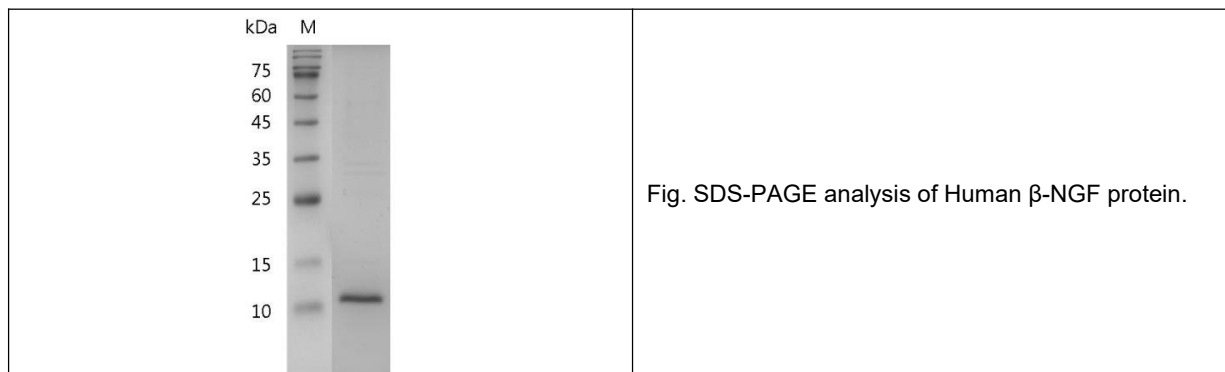
Endotoxin: <0.1 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.

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 Human β -NGF 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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