


Human β -NGF protein, His tag (Animal-Free)

Cat #: PRP1061

Size: 20 μ g/100 μ g/500 μ g/1 mg

Product Information

	Product Name: Human β -NGF protein, His tag (Animal-Free)		
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: <i>E.coli</i>
	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. The specific activity of recombinant Human β -NGF is >1 \times 10⁶ IU/mg.

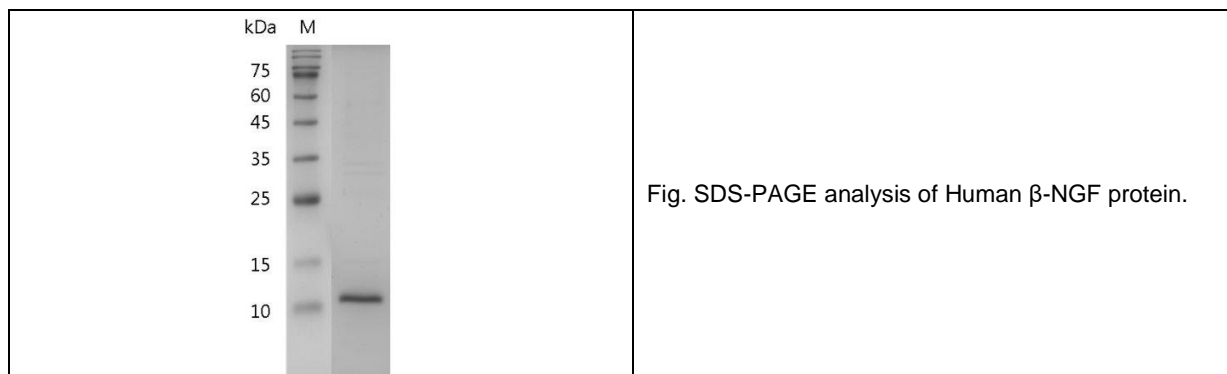
Endotoxin: <0.1 EU per μ g of the protein as determined by the LAL method.

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.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.