

RP00428

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Recombinant Human Beta-NGF Protein

Catalog No.: RP00428

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4803	P01138

Tags

No tag

Synonyms

NGF; Beta-NGF; HSN5; NGFB; nerve growth factor;Beta-NGF;HSN5;NGFB

Product Information

Source

<I>E. coli</I>

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 250 mM NaCl, pH 7.0. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Background

This protein 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. Mutations in This protein have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of This protein's expression is associated with allergic rhinitis.

Basic Information

Description

Recombinant Human Beta-NGF Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Ser122-Ala241) of human β-NGF (Accession #P01138).

Bio-Activity

Storage

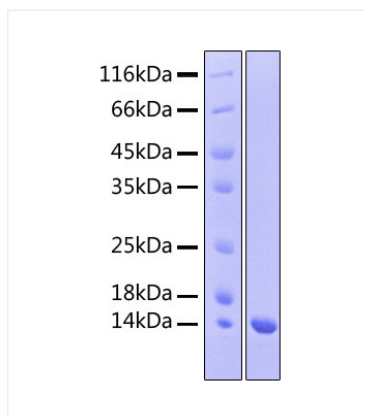
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human β -NGF was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 14 kDa.