

# Recombinant Human $\beta$ -NGF Protein

Catalog No.: RP00428 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	4803	P01138

### Tags

No tag

### Synonyms

Beta-NGF; HSN5; NGFB

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

### Endotoxin

< 1 EU/ $\mu$ g of the protein by LAL method.

### Formulation

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

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## 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 *E. coli* expression system. The target protein is expressed with sequence (Ser122-Ala241) of human  $\beta$ -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.

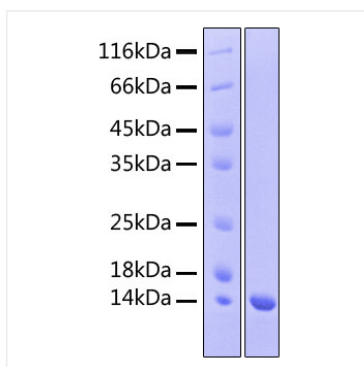
Avoid repeated freeze/thaw cycles.

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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