

## **b NGF Human**

*Beta Nerve Growth Factor Human Recombinant*  
*NTR0002*

### Product Overview

Name b NGF Human

#### Description

Beta Nerve Growth Factor Human Recombinant

Accession (Primary) [P01138](#)

#### Synonyms

Beta Polypeptide, NGF, NGFB, HSAN5, Beta-NGF, MGC161426, MGC161428.

#### Introduction

NGF-beta 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 gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis.

#### Source

HEK293 cells.

#### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

#### Formulation

The b-NGF was lyophilized from 1mg/ml in 20mM PB and 0.25M NaCl pH-7.5.

#### Stability

Lyophilized b-NGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution b-NGF 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

#### Purity

Greater than 97% as observed by SDS-PAGE.

#### Biological Activity

The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line), the ED 50 is < 0.04-0.4ng/ml.

#### Solubility

It is recommended to reconstitute the lyophilized b-NGF in sterile distilled pyrogen free water at a concentration of

0.25mg/ml.

#### Precautions

b NGF Human is for research use only and not for use in diagnostic or therapeutic procedures.

**Target Information: ( [P01138](#) )**