
Product Data Sheet

Product Name: b NGF Human, HEK
Cat. No.: GP26007
Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 cells.
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	Beta Polypeptide, NGF, NGFB, HSAN5, Beta-NGF, MGC161426, MGC161428.		
Solubility	It is recommended to reconstitute the lyophilized b-NGF in sterile distilled pyrogen free water at a concentration of 0.25mg/ml.		
Formulation	The b-NGF was lyophilized from 1mg/ml in 20mM PB and 0.25M NaCl pH-7.5.		

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.

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 ED50 is <0.04-0.4ng/ml.

Stability

Lyophilized b-NGF although stable at room temperature for 3 weeks, should be stored desiccated below -186yC. Upon reconstitution b-NGF should be stored at 46yC between 2-7 days and for future use below -186yC. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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BNGFHuman Recombinant produced in HEK293 is a noncovalently disulfide linked homodimer, glycosylated, polypeptide chain (Ser122-Arg239) containing 2 identical 118 amino acids and having a molecular mass of 26.5 kDa.

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