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b NGF Human, HEK

beta Nerve Growth Factor Human Recombinant, HEK
NTR0003

Product Overview

Name	b NGF Human, HEK
Description	
beta Nerve Growth Factor Human Recombinant, HEK	
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 obsereved 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	

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0.25mg/ml.

Precautions

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

Target Information: (P01138)