

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

Submaxillary Gland of Grown Mouse.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The NGF beta Mouse was lyophilized from solution containing 5% mannitol and 1% HSA.

Stability

Lyophilized Mouse Beta-NGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Murine NGF-Beta should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 98% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE .

Amino acid sequence

SSTHPVFHMGFE SVCDSSVSVWV GDKTTATDIK GKEVTVLAEV NINNSVFRQY FFETKCRASN PVESGCRGID
SKHWNSYCTT THTFVKALTT DEKQAAWRFI RIDTACVCVL SRKATRRG.

Biological Activity

The method used to test the bioassay is the NGF-dependent survival of dorsal root ganglia neurons of chick embryo,

corresponding to a Specific Activity of 500,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized Murine NGF-beta in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

References

V aron S, Raibo rn C. Dissociation, fractionation and culture of chick embryo sympathetic ganglionic cells [J]. J N eu rocy tol, 1972; 1: 211- 221.

Precautions

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

Target Information: ([P01138](#))