

Human bNGF Recombinant Protein



RPPB0109

Product Information Protein Information

Product SKU:

RPPB0109

Accession:

P01138

Host:

Chinese Hamster
Ovary Cells.

Protein description:

Nerve Growth Factor-beta Human Recombinant produced in CHO 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. The NGF-b is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Beta Polypeptide, NGF, NGFB, HSN5, Beta-NGF, MGC161426, MGC161428.

Formulation:

The protein was lyophilized from a 0.2µm filtered solution in 20mM PB and 250mM NaCl, pH 7.0.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized NGF-b in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Nerve Growth Factor b although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Nerve Growth Factor-beta 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.

Amino Acid Sequence:

Was analyzed by Mass spectrometry.

Biological Activity:

The ED₅₀, calculated by its ability to stimulate chick E9 DRG neurite outgrowth was found to be < 1.0 ng/ml, corresponding to a specific activity of > 1 x 10⁶ units/mg.