

Human b NGF Recombinant Protein



RPPB0108

Product Information Protein Information

Product SKU:

RPPB0108

Accession:

P01138

Host:

Escherichia Coli.

Protein description:

Nerve Growth Factor-beta Human Recombinant produced in E.Coli is a non-covalently disulfide-linked homodimer, non-glycosylated, polypeptide chain containing 2 identical 121 amino acids with a molecular weight of two 13.6 kDa polypeptide monomers. 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 beta-NGF protein was lyophilized from a 0.2µm filtered solution containing 0.1% Trifluoroacetic Acid (TFA).

Purity:

Greater than 95.0% as determined 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 Beta-NGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NGF-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:

MSSSHPIFHRG EFSVCDSVSV WVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD PNPVDSGCRG IDSKHWNSYC TTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA.

Biological Activity:

The ED₅₀, calculated by its ability to stimulate proliferation of TF-1 cells and is typically 1.31 ng/ml, corresponding to a specific activity of 7.6x10⁵ units/mg.