

Mouse Beta NGF Recombinant Protein



RPPB0111

Product Information Protein Information

Product SKU:

RPPB0111

Accession:

P01139

Host:

Escherichia Coli.

Protein description:

Recombinant Mouse b-NGF produced in E.Coli is a noncovalently disulfide-linked homodimer, non-glycosylated, polypeptide chain containing 2 identical chains of 120 amino acids each and having a molecular mass of 13,471 Dalton each. The Recombinant Mouse-beta-NGF is purified by advanced biology purification technology.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The Recombinant Mouse b-NGF was lyophilized without additives.

Purity:

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

Solubility:

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

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.

Amino Acid Sequence:

MSSTHPVFHM GEFSVCDSVS VWVGDKTTAT DIKGKEVTVL AEVNINNSVF RQYFFETKCR ASNPVESGCR
GIDSKHWNSY CTTHTFVKA LTTDEKQAAW RFIRIDTACV CVLSRKATRR G.

Biological Activity:

The Mouse b-NGF activity was measured in a cell proliferation assay using a factor-dependent human erythroleukemic cell line, TF-1, the ED₅₀ for this effect is 0.2 ng/ml, corresponding to a Specific Activity of 5,000,000 units/mg.