Beta Nerve Growth Factor Mouse Recombinant

Item Number  rAP-2659

Synonyms  Beta Polypeptide, NGF, NGFB, HSAN5, Beta-NGF, MGC161426, MGC161428.

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 techniques.

Uniprot Accession Number  P01139

Amino Acid Sequence  MSSTHPVFHM GEFSVCDSVS VWVGDKTAT DIKGKEVTVL AEVNNINNSVF RQYFFETKCR ASNPVESGCR GIDSKHWNSY CCTTHTFVKL LTDEKQAW RFIRIDTACV CVLSRKATRR G.

Source  Escherichia Coli.

Physical Appearance and Stability  Sterile Filtered White lyophilized (freeze-dried) powder. 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.

Formulation and Purity  The Recombinant Mouse b-NGF was lyophilized without additives. Greater than 98% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Application

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

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.

Shipping Format and Condition  Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end user! This product is sold for Research Use Only.