

Beta Nerve Growth Factor Mouse Recombinant

Item Number	rAP-2659
Synonyms	Beta Polypeptide, NGF, NGFB, HSN5, 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.
Uniprot Accession Number	P01139
Amino Acid Sequence	MSSTHPVFHM GEFSVCDSVS VVVGDKTTAT DIKGKEVTVL AEVNINNSVF RQYFFETKCR ASNPVESGCR GIDSKHWNSY CTTTHTFVKA LTTDEKQAAW 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 18MΩ-cm H ₂ O 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 ED ₅₀ 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 ender users! This product is sold for **Research Use Only**