

Beta-Nerve Growth Factor Mouse

Item Number	rAP-2657
Synonyms	Beta Polypeptide, NGF, NGFB, HSN5, Beta-NGF, MGC161426, MGC161428.
Description	NGF beta Mouse produced in Submaxillary Gland of Grown Mouse is a homodimer, non-glycosylated, polypeptide chain containing 2 identical 120 amino acids and having a molecular mass of 13,471 Dalton each. The NGF beta Mouse is purified by advanced biology purification technology.
Uniprot Accession Number	P01139
Amino Acid Sequence	SSTHPVFHMGFEF SVCDSSVSVWV GDKTTATDIK GKEVTVLAEV NINNSVFRQY FFETKCRASN PVESGCRGID SKHWNSYCTT THTFVKALTT DEKQAAWRFI RIDTACVCVL SRKATRRG.
Source	Submaxillary Gland of Grown Mouse.
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 NGF beta Mouse was lyophilized from solution containing 5% mannitol and 1% HSA. 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 method used to test the bioassay is the NGF-dependent survival of dorsal root ganglia neurons of chick embryo, corresponding to a Specific Activity of 500,000IU/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**