

## Beta Nerve Growth Factor Human Recombinant

<b>Item Number</b>	rAP-2658
<b>Synonyms</b>	Beta Polypeptide, NGF, NGFB, HSN5, Beta-NGF, MGC161426, MGC161428.
<b>Description</b>	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 tech-
<b>Uniprot Accession Number</b>	P01138
<b>Amino Acid Sequence</b>	MSSSHPIFHRG EFSVCDSVSV WVGDKTTATD IKGKEVMVLG EVNINNSVFK QYFFETKCRD PNPVDSGCRG IDSKHWNSYC TTTHTFVKAL TMDGKQAAWR FIRIDTACVC VLSRKAVRRA.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
<b>Formulation and Purity</b>	The beta-NGF protein was lyophilized from a 0.2µm filtered solution containing 0.1% Trifluoroacetic Acid (TFA). Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized NGF-b in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED <sub>50</sub> , calculated by its ability to stimulate proliferation of TF-1 cells and is typically &lt; 1.0 ng/ml, corresponding to a specific activity of &gt; 1,000,000units/mg.
<b>Shipping Format and Condition</b>	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**