

beta Nerve Growth Factor Human Recombinant, HEK

Item Number	rAP-2654
Synonyms	Beta Polypeptide, NGF, NGFB, HSN5, Beta-NGF, MGC161426, MGC161428.
Description	Beta-NGF Human Recombinant produced in HEK cells is a non-glycosylated non-disulfide linked homodimer, having a total molecular weight of 13kDa. The b-NGF is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P01138
Amino Acid Sequence	
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized b-NGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution b-NGF 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.
Formulation and Purity	The b-NGF was lyophilized from 1mg/ml in 1xPBS. Greater than 95% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized b-NGF in sterile 1xPBS containing 0.1% endotoxin-free recombinant HSA.
Biological Activity	The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line), the ED50 is $\leq 4\text{ng/ml}$.
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**