

Recombinant Human NGF- β

CATALOG #:	4303R-20	20 μ g
	4303R-100	100 μ g
	4303R-1000	1 mg

SOURCE: *E. coli*

PURITY: >97% by SDS-PAGE and HPLC analyses
Endotoxin level is less than 0.1 ng per μ g of NGF- β .

FORM: Sterile filtered and then lyophilized without additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The solution can be diluted into other aqueous buffers and stored at -20°C for future use.

STORAGE CONDITIONS:

The lyophilized human NGF- β is best-stored desiccated below 0°C . Reconstituted human NGF-beta should be stored in working aliquots at -20°C . For long-term storage, it is recommended to add a carrier protein (0.1% HAS or BSA). Avoid freeze/thaw cycles.

DESCRIPTION:

Nerve growth factor-beta (NGF- β) is a potent neurotrophic factor that supports the growth and survivability of nerve and/or glial cells. The active form of human NGF- β is a dimer, formed by two identical 119 amino acid subunits, which is held together by strong hydrophobic interactions. Recombinant human NGF-beta contains two identical 121 amino acids with a molecular weight of two 13.6 kDa polypeptide monomers. The protein is purified by proprietary chromatographic techniques.

BIOLOGICAL ACTIVITY:

The ED_{50} as determined by the ability to stimulate neurite growth in chick E9 DRG cells is < 1.0 ng/ml.

FOR RESEARCH USE ONLY! Not to be used on humans.

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- Apoptosis siRNA Vectors

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