BioVision

rev 09/13

For research use only

Beta-NGF, Human CellExp™, Human Recombinant

CATALOG #: 6443-10 10 µg
6443-50 50 µg

ALTERNATE NAMES: Beta Polypeptide, NGF, NGFB, HSAN5, Beta-NGF, MGC161426, MGC161428.

SOURCE: Human Cell Expressed

PURITY: > 95% by SDS - PAGE

MOL. WEIGHT: 13 kDa, non-disulfide bonded homodimer, non-glycosylated.

ENDOTOXIN LEVEL: < 1.0 EU per 1 µg of protein

FORMULATION: Lyophilized from a PBS solution.

RECONSTITUTION: Reconstitute in sterile PBS containing 0.1% endotoxin-free, recombinant human serum albumin.

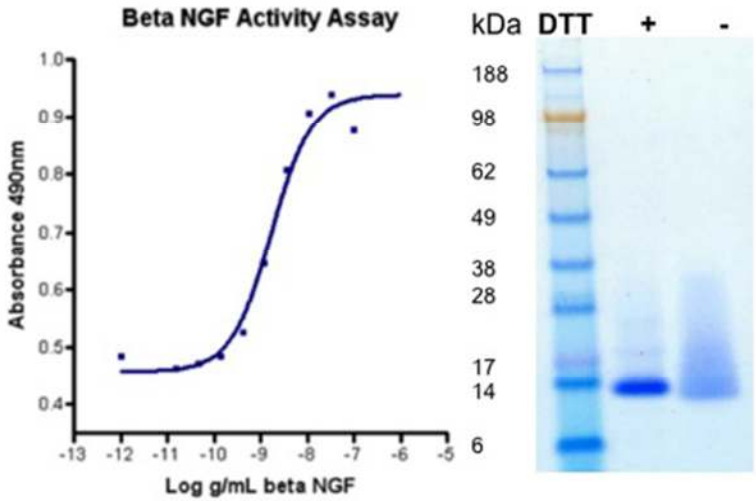
STORAGE CONDITIONS:
Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

ADVANTAGES:

- Animal-derived product free
- High Activity
- Authentic Glycosylation

DESCRIPTION:
NGF-beta has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis. The presence of beta NGF in immune cells and endocrine cells as well as in the CNS limbic areas suggests that beta NGF may function as an intracellular messenger to regulate the body's response to stress. This product is produced in a human cell expression system with serum-free, chemically defined media.

BIOLOGICAL ACTIVITY:
ED_{50} is typically 1.5 to 8 ng/mL. The specific activity was determined by the dose-dependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line).



Human Cell^{exp} Human Recombinant Beta-NGF

RELATED PRODUCTS:

- NGF-beta, human recombinant **(Cat. No. 4303R-20, -100, -1000)**
- NGF-beta, human recombinant (CHO) **(Cat. No. 4303-20, -1000)**
- NGF-beta, murine recombinant **(Cat. No. 4304-5, -20, -100, -1000)**
- ProNGF, human recombinant **(Cat. No. 4274-10, -50, -100)**

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

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