For Research Use Only

Recombinant Human beta NGF

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Antibodies | ELISA kits | Proteins

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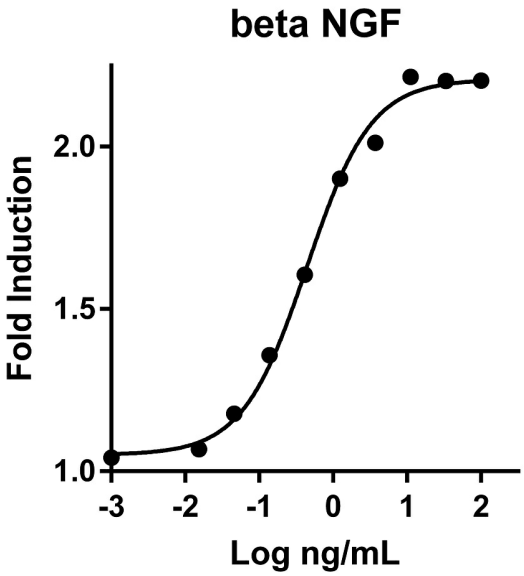
Catalog Number:HZ-1222 HEK293 expressed | Endotoxin-free | Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 3 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	13 kDa, non-disulfide bonded homodimer, non-glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	4803



The activity was determined by the dosedependent stimulation of the proliferation of human TF-1 cells (human erythroleukemic indicator cell line) using Promega CellTiter96® Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

Stability and Storage

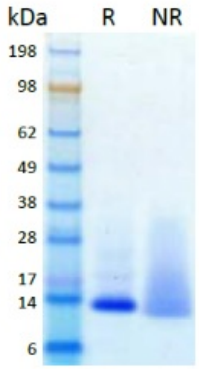
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Product Description

Animal-free Recombinant Human beta NGF is expressed in human 293 cells as a non-disulfide bonded homodimeric protein with an apparent molecular mass of 13 kDa. Beta NGF is critical for the survival and maintenance of sympathetic and sensory neurons and may play an important role in the regulation of the immune system. 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.

Synonyms

Beta nerve growth factor, Beta NGF, HSAN5, NGF, NGFB, proNGF



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

For technical support and original validation data for this product please contact:
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