Human NGF / NGFB recombinant protein

Catalog Number: 502544

Protein Construction

A DNA sequence encoding the mature form of human ?-NGF (NP_002497.2) (Ser 122-Arg 239) was expressed.

Organism

Human

Expression Host

CHO Cells

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED_{50} for this effect is typically 0.2-2 ng/ml.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Ser 122

Molecular Mass

The mature recombinant human ?-NGF consists of 118 amino acids and has a predicted molecular mass of 13.2 kDa. ?-NGF exists as a non-disulfide linked homodimer in solution.

Formulation

Lyophilized from sterile 20mM NaAc, 150mM NaCl, pH 5.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

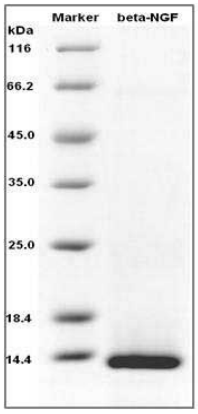
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human ?-NGF / Beta-NGF Protein SDS-PAGE