

General Information

Protein Construction

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

Organism

Human

Expression Host

CHO Cells

QC Testing

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 μ g of the protein as determined by the LAL method

Stability

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

Predicted N terminal

Ser 122

Molecular Mass

The mature recombinant human β -NGF consists of 118 amino acids and has a predicted molecular mass of 13.2 kDa. β -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.

Usage Guide

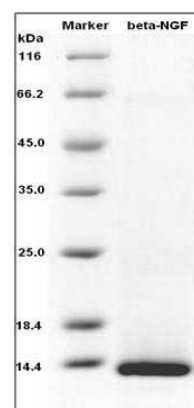
Storage

Store it under sterile conditions at -20°C to -80°C . 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 β -NGF / Beta-NGF Protein SDS-PAGE