

## General Information

### Protein Construction

A DNA sequence encoding the mature form of mouse NGF (NP\_001106168.1) (Ser 122-Gly 241) was expressed, with an initial Met at the C-terminus.

### Organism

Mouse

### Expression Host

CHO Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.  
The ED<sub>50</sub> for this effect is 0.2-2ng/mL.

### Purity

> 96 % 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°C

### Predicted N terminal

Met

### Molecular Mass

The recombinant mouse NGF consists of 121 amino acids and has a calculated molecular mass of 13.5 kDa as estimated in SDS-PAGE under reducing conditions.

### 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

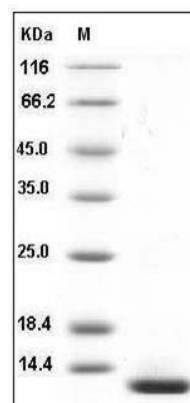
### Storage

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



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