

## Mouse Beta-NGF, His Tag, E. coli

|                |  |
|----------------|--|
| Catalog Number | LDG090PME                                  |
| Package        | 5 µg / 20 µg / 100 µg / Customized package |

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Mouse

#### Affinity Tag

His Tag (C-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to induce TF-1 cells proliferation. The ED<sub>50</sub> for this effect is <1 ng/mL. The specific activity of recombinant mouse beta-NGF is > 1 x 10<sup>6</sup> IU/mg.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

#### Molecular weight

The protein has a calculated MW of 14.41 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

#### Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

### Background

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### Background

Beta-Nerve Growth Factors (Beta-NGF) is a 27 kDa cytokine with 241 amino acid residues. Beta-NGF belongs to neurotrophin family, and acts as neurotrophic factors. It's composed of alpha, beta, gamma subunits, and the beta subunit is related to its biological activity. Beta-NGF binds to p75 neurotrophin receptor and Trk receptor and their function is about cell death and survival, respectively.

### Uniprot ID

#P01139

### Synonyms

Beta-nerve Growth Factors, Beta-NGF

### Sequence Note

Ser122-Gly241

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

## Image

### Tainan Headquarter

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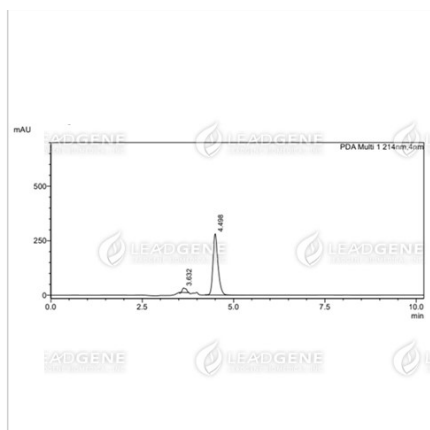
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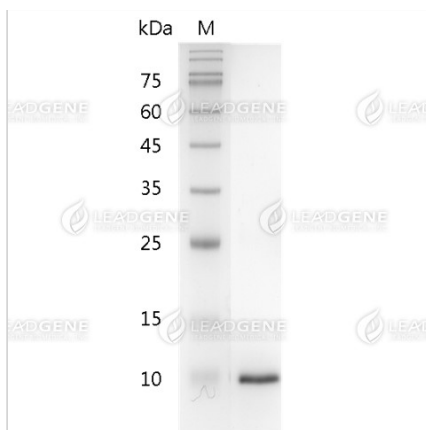
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The purity of recombinant mouse Beta-NGF is greater than 95% as determined by RP-HPLC.



SDS-PAGE analysis of recombinant mouse Beta-NGF.

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