

## Human Neurturin, His Tag, E. coli

**Catalog Number** LDG136PHE

**Package** 5 µg / 20 µg / 100 µg / Customized package

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



### Specifications

#### Species of Origin

Human

#### Affinity Tag

His Tag (C-term)

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Activity

Measure by its ability to induce proliferation in SH-SY5Y cells. The ED<sub>50</sub> for this effect is <50 ng/mL.

#### Form

Lyophilized

#### Expression system

Escherichia coli

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 12.62 kDa. The protein migrates as 13 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

Human Neurturin is a 22 kDa cytokine with 197 amino acid residues. Neurturin belongs to the same TGF-beta (transforming Growth Factors  $\beta$ ) family. When Neurturin binds to GFR $\alpha$ -2 (GPI-linked receptor termed GDNF family receptor  $\alpha$ -2), this complex activates Ret receptor tyrosine kinase and its downstream signaling pathway.

### Uniprot ID

#Q99748

### Synonyms

Neurturin

### Sequence Note

Ala96-Val197

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200  $\mu$ g/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

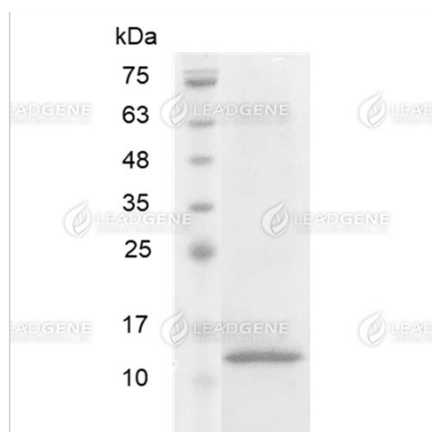
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SDS-PAGE analysis of  
recombinant human Neurturin.

**Disclaimer :** For Research Use or Further Manufacturing Only.

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