

# Human NT3 / 3'-nucleotidase recombinant protein



Catalog Number: 502255

## General Information

### Gene Name Synonym

HDNF; Nerve growth factor 2; Neurotrophic factor

### Protein Construction

A DNA sequence encoding the human NT3 (P20783-1) (Tyr139-Thr257) was expressed and purified.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human NT3 at 10 µg/ml (100 µl/well) can bind human TrkB-Fch (Cat:503265). The EC<sub>50</sub> of human TrkB-Fch (Cat:503265) is 28.2-65.8 ng/mL.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

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

### Predicted N terminal

Met

### Molecular Mass

The recombinant human NT3 consists of 120 amino acids and has a predicted molecular mass of 13.8 kDa. The apparent molecular mass of it is approximately 16 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 5.2.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

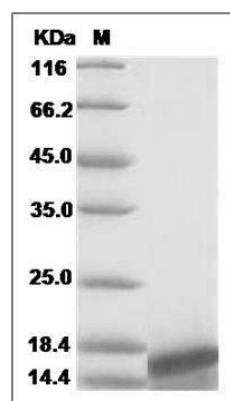
### Storage

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 NTF3 / Neurotrophin 3 Protein SDS-PAGE