

Human NTF3 / Neurotrophin 3 Protein

Catalog Number: 10286-HNAE



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

HDNF; NGF-2; NGF2; NT-3; NT3

Protein Construction:

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

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Bio Activity:

Measured by its binding ability in a functional ELISA. Immobilized human NT3 (Cat: 10286-HNAE) at 2 µg/ml (100 µl/well) can bind human TrkB-Fch (Cat: 10047-H03H). The EC_{50} of human TrkB-Fch (Cat: 10047-H03H) is 120-350 ng/mL.

Endotoxin:

Please contact us for more information.

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.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

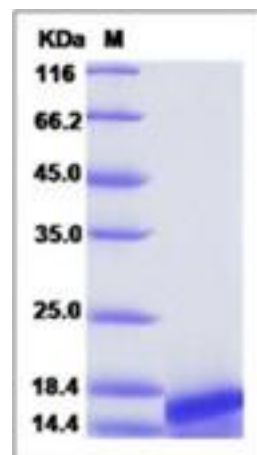
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

Neurotrophin-3 (NTF3) is a key mediator of neuronal development during the early neurogenic period, as a putative regulatory target of POU3F2. NTF3 is a novel target gene of POU3F2 and that the POU3F2/NTF3 pathway plays a role in the process of neuronal differentiation. Neurotrophin 3 (NTF3) is capable of activating TrkB to induce anoikis resistance, and show that NTF3 is also a direct target of miR-2c.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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