

RP00496

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Recombinant Human Neurotrophin-3/NGF-2/NT-3 Protein

Catalog No.: RP00496

Recombinant

1 Publications

Sequence Information

Species	Gene ID	Swiss Prot
E. coli	4908	P20783

Tags

No-Tag

Synonyms

NTF3; Neurotrophin-3; NT-3; HDNF;
Nerve growth factor 2; NGF-2;
Neurotrophic factor

Product Information

Source

E. coli

Purification

≥ 95 % as
determined by
SDS-PAGE.

Endotoxin

< 0.01 EU/μg of the protein by LAL
method

Formulation

Lyophilized from a 0.22 μm filtered
solution of PBS, pH 5.2.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.
Avoid vortex or vigorously pipetting
the protein. For long term storage, it is
recommended to add a carrier protein
or stabilizer (e.g. 0.1% BSA, 5% HSA,
10% FBS or 5% Trehalose), and aliquot
the reconstituted protein solution to
minimize free-thaw cycles.

Background

Neurotrophin-3 (NT-3) is a member of the NGF family of neurotrophic factors and is structurally related to β -NGF, BDNF and NT-4. The NT3 cDNA encodes a 257 amino acid residue precursor protein with a signal peptide and a proprotein that are cleaved to yield the 119 amino acid residue mature NT3. The amino acid sequences of mature human, murine and rat NT-3 are identical. NT-3 selectively promotes the differentiation and survival of specific neuronal subpopulations in both the central as well as the peripheral nervous systems.

Basic Information

Description

Recombinant Human Neurotrophin-3/NGF-2/NT-3 Protein is produced by E. coli expression system. The target protein is expressed with sequence (Tyr139-Thr257) of Human Neurotrophin-3/NGF-2/NT-3 (Accession # P20783) fused with No-Tag.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human TrkB (Catalog: RP00290) at 2 μg/mL (100 μL/well) can bind Recombinant Human Neurotrophin-3/NGF-2/NT-3 with a linear range of 1.95-35.5 ng/mL.

Storage

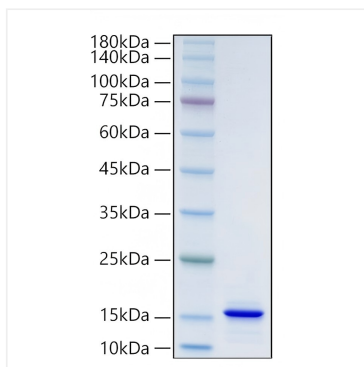
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Human
Neurotrophin-3/NGF-2/NT-3 Protein
was determined by SDS-PAGE under
reducing conditions with Coomassie
Blue.