

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
Human	4908	P20783

Tags

No tag

Synonyms

NTF3;HDNF;NGF-2;NGF2;NT-3;NT3

Product Information

Source

<I>E. coli</I>

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 250mM NaCl, pH 7.2. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube 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 freeze-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 <I>E. coli</I> expression system. The target protein is expressed with sequence (Tyr139-Thr257) of human NT-3/Neurotrophin-3 (Accession #P20783).

Bio-Activity

Storage

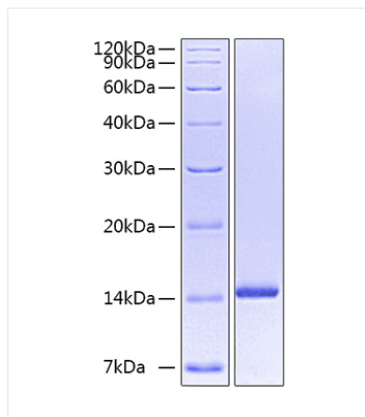
Store the lyophilized protein at -20 °C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

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.