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Animal-Free Recombinant Human NT-3
Catalog # PBG10563

Specification

Animal-Free Recombinant Human NT-3 - Product Information

Animal-Free Recombinant Human NT-3 - Additional Information

Description
NT-3 is a neurotrophic factor structurally related to β-NGF, BDNF, and NT-4. These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. NT-3 is expressed by neurons of the central nervous systems and can signal through the trk receptors. NT-3 promotes the growth and survival of nerve and glial cells. The amino acid sequences of human, murine and rat NT-3 are identical. Recombinant human NT-3 is a noncovalently linked homodimer, of two 13.6 kDa polypeptide monomers (240 total amino acid residues). Human and M NT-3 sequences are identical.

BiologicalActivity
The ED₅₀ as determined by the dose-dependent induction of choline acetyl transferase activity in rat basal forebrain primary septal cell cultures was found to be in the range of 20-50 ng/ml.

Authenticity
Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin
Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content
Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage
-20°C

Precautions
Animal-Free Recombinant Human NT-3 is for research use only and not for use in diagnostic or therapeutic procedures.

Animal-Free Recombinant Human NT-3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

- Flow Cytomety
- Cell Culture

Animal-Free Recombinant Human NT-3 - Images