

Recombinant Human NT-3
Catalog # PBG10339**Specification**

Recombinant Human NT-3 - Product Information**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.**

Biological Activity

The ED₅₀ as determined by the dose-dependent induction of choline acetyltransferase 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/ μ g of protein (<1EU/ μ g).

Protein Content

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

Storage

-20°C

Precautions

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

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 Cytometry](#)
- [Cell Culture](#)

Recombinant Human NT-3 - Images