

## **Animal-Free Recombinant Human NT-4**

Catalog # PBG10564

## **Specification**

#### Animal-Free Recombinant Human NT-4 - Product Information

### Animal-Free Recombinant Human NT-4 - Additional Information

# **Description**

NT-4 is a neurotrophic factor structurally related to  $\beta$ -NGF, BDNF, and NT-3. These proteins belong to the cysteine-knot family of growth factors that assume stable dimeric structures. NT-4 is expressed in the prostate, thymus, placenta and skeletal muscle. NT-4 can signal through the LNGFR and trkB receptors and promotes the survival of peripheral sensory sympathetic neurons. Recombinant human NT-4 is a noncovalently linked homodimer, of two 14.0 kDa polypeptide monomers (260 total amino acid residues).

## **Biological**Activity

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  $<0.1 \text{ ng}/\mu\text{g}$  of protein ( $<1\text{EU}/\mu\text{g}$ ).

### **Protein Content**

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

### Storage

-20°C

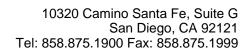
### **Precautions**

Animal-Free Recombinant Human NT-4 is for research use only and not for use in diagnostic or therapeutic procedures.

# **Animal-Free Recombinant Human NT-4 - 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-4 - Images**