

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

# 32-20318: Recombinant Human NT-3(Discontinued)

**Reactivity:** Chicken, Cow,Dog, Human, Monkey, Mouse, Pig, Rat

Alternative Name: Neurotrophin-3, Neurotrophic factor, Nerve growth factor-2, NGF-2, HGNF

# **Description**

#### Source: E.coli

NT-3 is a neurotrophic factor structurally related to Beta-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 system, 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).

### **Product Info**

**Amount:**  $2 \mu g / 10 \mu g$ 

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses. **Content :** This recombinant protein is supplied in lyophilized form.

Amino Acid: MYAEHKSHRG EYSVCDSESL WVTDKSSAID IRGHQVTVLG EIKTGNSPVK QYFYETRCKE ARPVKNGCRG

IDDKHWNSQC KTSQTYVRAL TSENNKLVGW RWIRIDTSCV CALSRKIGRT

## **Application Note**

The  $ED_{50}\tilde{A} \square \hat{A}$  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.