

## 32-20321: Animal-Free Recombinant Human NT-4(Discontinued)

**Reactivity :** Mouse, Rat  
**Alternative Name :** Neurotrophin-4, Neurotrophic 4/5 (NT-4/NT-5)

### Description

#### Source:E.coli

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).

### Product Info

**Amount :** 2 µg / 10 µg  
**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** GVSETAPASR RGELAVCDAV SGWVTDRRTA VDLRGREVEV LGEVPAAGGS PLRQYFFETR  
CKADNAEEGG PGAGGGGCRG VDRRHVVSEC KAKQSYVRAL TADAQGRVGW RWIRIDTACV  
CTLLSRTGRA

### Application Note

The  $ED_{50}$  as determined by the dose-dependent induction of choline acetyl transferase activity in rat basal forebrain primary septal cell cultures was found in the range of 20-50 ng/ml.