

## 32-20313: Recombinant Human NNT-1/BCSF-3(Discontinued)

**Reactivity :** Chicken, Human, Mouse  
**Alternative Name :** Novel Neurtrophin-1/B-Cell-Stimulating Factor-3, Cardiotrophin-like cytokine, Cardiotrophin-like cytokine factor 1 (CLCF1)

### Description

**Source:** E.coli

NNT-1/BCSF-3 is a neurotrophic factor with B-cell-stimulating capabilities. Expressed in the lymph nodes and spleen, NNT-1/BCSF-3 activates glycoprotein 130 (gp130) and leukemia inhibitory factor receptor member b (LIFR-b) by binding and inducing the tyrosine phosphorylation of these receptors. In vitro, it supports the survival of chick embryo motor and sympathetic neurons. In mice, NNT-1/BCSF-3 induces serum amyloid A, causes body weight loss, and B cell hyperplasia associated with increases in serum IgG and IgM. Recombinant Human NNT-1/BCSF-3 is a 22.4 kDa protein containing 199 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 :** MLNRTGDPPG GPSIQKTYDL TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR ATVDLEVWRS  
LNDKLRRLTQN YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGLLGS IAGVMAALGY PLPQLPGTE  
PTWTPGPAHS DFLQKMDDFW LLKELQTLWV RSKDFNRLK KKMQPAAAV TLHLGAHGF

### Application Note

NT-1/BCSF-3 weakly supports chick E8 DRG neurite outgrowth at a concentration of 1.0 ng/ml.