

NNT-1/BCSF-3, Human Recombinant

CATALOG NO:	P1332-2 P1332-10	2 µg 10 µg
ALTERNATE NAMES:	Novel Neurtrophin-1, NNT-1, B-Cell-Stimulating Factor-3, BSF-3, Cardiotrophin-like cytokine, Cardiotrophin-like cytokine factor 1 (CLCF1), CLCF1, BSF3, CLC, NNT1	
SOURCE:	E. coli	
PURITY:	≥ 98% by SDS-PAGE analysis	
MOL. WEIGHT:	22.4 kDa	
ENDOTOXIN LEVEL:	<0.1 EU/µg endotoxin, tested	
FORM:	Lyophilized	
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freezing and thawing cycles.	
BIOLOGICAL ACTIVITY:	NT-1/BCSF-3 weakly supports chick E8 DRG neurite outgrowth at a concentration of 1.0 ng/ml	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.	
DESCRIPTION:	NNT-1/BCSF-3 is a neurotrophic factor with B-cell stimulating capabilities. Expressed in lymph nodes and spleen, NNT-1/BCSF-3 binds and activates glycoprotein 130 (gp130) and leukemia inhibitory factor receptor member β (LIFR-β) and induces tyrosine phosphorylation of these receptors. <i>In vitro</i> , 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 increased in serum IgG and IgM. Human Recombinant NNT-1/BCSF-3 is a 22.4 kDa protein containing 199 amino acid residues.	

RELATED PRODUCTS:

- Human CellExp™ IL-6, Human Recombinant (**Cat. No. 6464**)
- Human CellExp™ IL-4, Human Recombinant (**Cat. No. 6463**)
- IL-6 Antibody (**Cat. No. 5143**)
- IL-6 Antibody (**Cat. No. 5144**)
- Neuropeietin, murine recombinant (**Cat. No. 7180**)

FOR RESEARCH USE ONLY! Not to be used on humans.