

NNT-1/BCSF-3 active protein

Human NNT-1/BCSF-3

CATALOG # AAA79298	HOST E Coli	REACTIVITY Human
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PRODUCT SYNONYMS

NNT-1/BCSF-3; Human NNT-1/BCSF-3; Recombinant Human NNT-1/BCSF-3; NNT-1/BCSF-3 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE and HPLC analysis
Form/Format	Lyophilized
Sequence	MLNRTGDPGP GPSIQKTYDL TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR ATVDLEVWRS LNDKLRLTQN YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGLLS IAGVMAALGY PLPQPLPGTE PTWTPGPAHS DFLQKMDDFW LLKELQTLWV RAKDFNRLK KKMQPPAAAV TLHLGAHGF
Sequence Length	215
Length (aa)	199
Endotoxin Level	< 0.1 ng per ug of protein (<1EU/ug)
Biological Activity	NT-1/BCSF-3 weakly supports chick E8 DRG neurite outgrowth at a concentration of 1.0 ng/m
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.
Preparation and Storage	The lyophilized protein is stable at room tempeture for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C. Avoid repeated freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for NNT-1/BCSF-3 active protein	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 beta (LIFR-beta) and induces 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 increased in serum IgG and IgM. Recombinant human NNT-1/BCSF-3 is a 22.4 kDa protein containing 199 amino acid residues.
Product Categories/Family for NNT-1/BCSF-3 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	261245022
NCBI GeneID	23529
NCBI Accession #	NP_001159684.1

NCBI GenBank Nucleotide #	NM_001166212.1
UniProt Accession #	Q9UBD9 ; Q6NZA4 ; B4DNT4
Molecular Weight	22.4 kDa
NCBI Official Full Name	cardiotrophin-like cytokine factor 1 isoform 2
NCBI Official Synonym Full Names	cardiotrophin-like cytokine factor 1
NCBI Official Symbol	CLCF1
NCBI Official Synonym Symbols	CLC; NR6; BSF3; NNT1; BSF-3; CISS2; NNT-1
NCBI Protein Information	cardiotrophin-like cytokine factor 1; novel neurotrophin-1; B-cell stimulating factor 3; B-cell stimulatory factor 3; B-cell-stimulating factor 3; CRLF1 associated cytokine-like factor 1; neurotrophin-1/B-cell stimulating factor-3
UniProt Protein Name	Cardiotrophin-like cytokine factor 1
UniProt Gene Name	CLCF1
UniProt Synonym Gene Names	BSF3; CLC; NNT1; BSF-3; NNT-1
UniProt Entry Name	CLCF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/nnt-1-bcsf-3/79298>