

CLCF1

Recombinant Human Cardiotrophin-like Cytokine Factor 1

Catalog No.	CRN502B	Quantity:	10 µg
Alternate Names:	CLCF1, B-cell-stimulating factor 3, BSF-3, BCSF-3, Novel neurotrophin-1, NNT-1		
Description:	CLCF1 is a neurotrophic factor with B-cell stimulating capabilities. Expressed in lymph nodes and spleen, CLCF1 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, CLCF1 induces serum amyloid A, causes body weight loss and B cell hyperplasia associated with increased in serum IgG and IgM.		
UniProt ID:	Q9UBD9		
Gene ID:	23529		
Source:	<i>E. coli</i>		
Molecular Weight:	22.4 kDa (199 aa)		
Formulation:	Lyophilized from PBS		
Purity:	> 98% by SDS-PAGE and HPLC analyses		
Endotoxin Level:	< 1 EU/µg		
Biological Activity:	Weakly supports chick E8 DRG neurite outgrowth at a concentration of 1.0 ng/ml.		
Amino Acid Sequence:	MLNRTGDPGP GPSIQKTYDL TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR ATVDLEVWRS LNDKLRLTQN YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGLLGS IAGVMAALGY PLPQPLPGTE PTWTPGPAHS DFLQKMDDFW LLKELQTLWLW RSAKDFNRLK KKMQPPAAV TLHLGAHGF		
Reconstitution:	Centrifuge vial prior to opening. Add PBS or medium to the vial to fully solubilize the protein to a concentration ≥ 100 µg/ml. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein such as 0.1% BSA and store in working aliquots at -20°C to -80°C.		
Storage & Stability:	Lyophilized protein is stable for 1 year at -20°C to -80°C. Store reconstituted protein in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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