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Datasheet for ABIN1096416 CNTF Protein (AA 1-200)



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Quantity:	50 µg
Target:	CNTF
Protein Characteristics:	AA 1-200
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Product Details	
Purpose:	Recombinant Human Ciliary Neurotrophic Factor/CNTF
Sequence:	AFTEHSPLTP HRRDLCSRSI WLARKIRSDL TALTESYVKH QGLNKNINLD SADGMPVAST DQWSELTEAE RLQENLQAYR TFHVLLARLL EDQQVHFTPT EGDFHQAIHT LLLQVAAFAY QIEELMILLE YKIPRNEADG MPINVGDGGL FEKKLWGLKV LQELSQWTVR SIHDLRFISS HQTGIPARGS HYIANNKKM
Characteristics:	Recombinant Human Ciliary Neurotrophic Factor/CNTF is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Met200) of Human CNTF.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test
Target Details	
Target:	CNTF

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Target Details	
Alternative Name:	cntf (CNTF Products)
Background:	Ciliary Neurotrophic Factor (CNTF) is a potent survival factor for neurons and oligodendrocytes. CNTF has also been shown to prevent the degeneration of motor axons after axotomy. CNTF is highly conserved across species and exhibits cross-species activities. Human and rat CNTF share approximately 83% homology in their protein sequence. CNTF is structurally related to IL6, IL11, LIF and OSM. All of these four helix bundle cytokines share gp130 as a signal transducing subunit in their receptor complexes. CNTF, like FGF acidic, FGF basic, and PD- ECGF (platelet-derived endothelial cell growth factor), does not possess a signal sequence that would allow secretion of the factor by classical secretion pathways. The mechanism underlying the release of CNTF is unknown. Alternative Names: Ciliary Neurotrophic Factor, CNTF
Molecular Weight:	22.93 kDa
UniProt:	P26441
Pathways:	JAK-STAT Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, 1 mM Cysteine, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months

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