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Datasheet for ABIN7455693

CNTF Protein

Overview

Quantity:	50 µg
Target:	CNTF
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Ciliary Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ala2-Met200 is expressed.
Characteristics:	Extracellular Domain Protein
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CNTF
Alternative Name:	CNTF (CNTF Products)
Background:	Ciliary Neurotrophic Factor, CNTFCiliary 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

Target Details

possess a signal sequence that would allow secretion of the factor by classical secretion pathways. The mechanism underlying the release of CNTF is unknown.

Molecular Weight: 22.93 KDa

UniProt: [P26441](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: a 0.2 µm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, pH 8.0.

Storage: -20 °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: 12 months