

## Datasheet for ABIN7319650

### CNTF Protein



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#### Overview

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

#### Product Details

Purpose:	Recombinant Human CNTF Protein (Active)
Sequence:	Ala2-Met200
Characteristics:	Recombinant Human Ciliary Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ala2-Met200 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 25 ng/ml.

#### Target Details

Target:	CNTF
Alternative Name:	CNTF ( <a href="#">CNTF Products</a> )

## Target Details

Background:	<p>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.</p> <p>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.</p> <p>Synonym: Ciliary Neurotrophic Factor, CNTF</p>
Molecular Weight:	22.93 kDa
UniProt:	<a href="#">P26441</a>
Pathways:	<a href="#">JAK-STAT Signaling</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS,1 mM Cysteine,PH7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>