

Datasheet for ABIN7455693

CNTF Protein[Go to Product page](#)**1** Image

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
Purification:	Affinity purification
Purity:	Greater than 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	CNTF
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

Target Details

	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.
Molecular Weight:	22.93 KDa
UniProt:	P26441
Pathways:	JAK-STAT Signaling

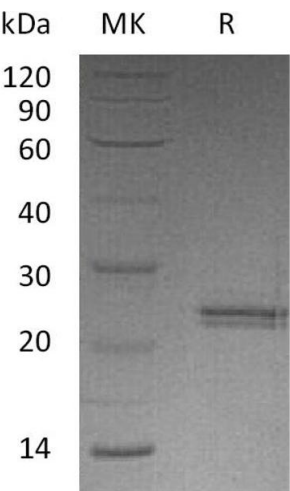
Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, pH 8.0.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months

Images



SDS-PAGE

Image 1. Greater than 95 % as determined by reducing SDS-PAGE.