

PRODUCT INFORMATION

Target	CNTF
Synonyms	Ciliary Neurotrophic Factor;CNTF
Description	Recombinant Human Ciliary Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ala2-Met200 is expressed.
Delivery	In Stock
Uniprot ID	P26441
Expression Host	E.coli
Tag	
Molecular Characterization	Not available
Molecular Weight	22.93 KDa
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0.
Storage&Shipping	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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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.
Usage	Research use only
Conjugate	Unconjugated



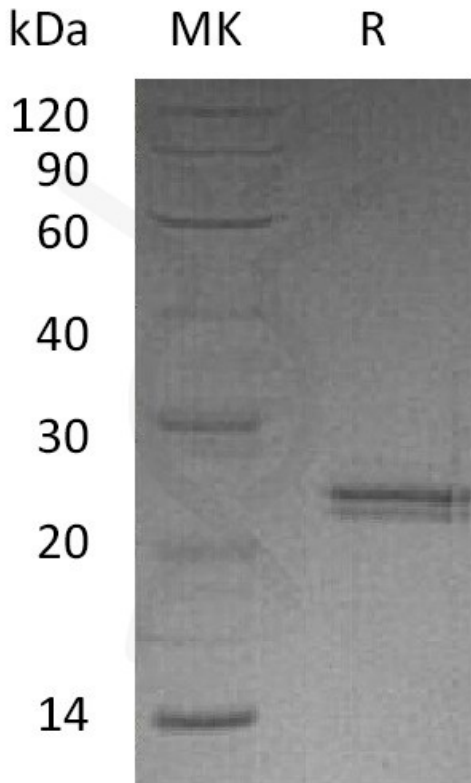


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

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