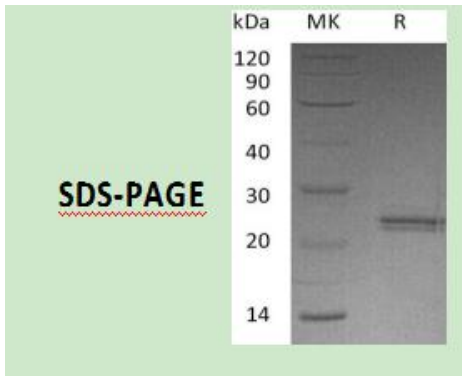


Recombinant Human CNTF

Catalog#:AC13106 Derived from *E.coli*

DESCRIPTION	Recombinant Human Ciliary Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ala2-Met200 is expressed. Accession: P26441 Known as: Ciliary Neurotrophic Factor; CNTF
FORMULATION	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0.
SHIPPING	The product is shipped at ambient temperature. The product is shipped at ambient temperature.
STORAGE	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.
RECONSTITUTION	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	Mol Mass: 22.93kDa AP Mol Mass: 25kDa, reducing conditions. Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.
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.
 <p style="text-align: center;">SDS-PAGE</p>	