

32-18095: Recombinant Human CNTF Protein

Uniprot ID : P26441

Alternative Name : Ciliary Neurotrophic Factor; CNTF

Description

Molecular weight: 22.93 KDa

Description: Recombinant Human Ciliary Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ala2-Met200 is expressed.

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.

Product Info

Amount : 50 µg

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

Storage condition : 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.