

**CNTF, Human, Recombinant****Cat. No. : GPCK117****产品信息**

物种	Human
表达宿主	E.coli
序列信息	Ala2-Met200
检索号	P26441
分子量	22.93 kDa
有效期	12 months

**产品特性**

内毒素 (EU/μg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris-HCl, 100 mM NaCl, pH 8.0.
复溶	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**背景介绍**

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.

