

## CNTF/AI429687, Mouse, Recombinant

货号：PCK304

### 产品信息

别名 AI429687

物种 Mouse

表达宿主 E.coli

序列信息 MAFAEQSPLTLHRRDLCRSIWLARKIRSDLTALMESYVKHQGLNKNISLDS  
VDGVPVASTDRWSEMTEAERLQENLQAYRTFQGMLTKLLEDQRVHFTPTE  
GDFHQAIHTLTQVSAFAYQLEELMALLEQKVPEKEADGMPVTIGDGGGLFE  
KKLWGLKVLQELSQWTVRSIHDLRVISSHHMGISAHESHYGAQM with  
polyhistidine tag at the C-terminus.

检索号 P51642.1

分子量 23.40 kDa

标签 His-tag at the C-terminus

生物活性 Measure by its ability to induce proliferation in TF-1 cells. The ED50 for this effect is <10 ng/mL. The specific activity of recombinant mouse CNTF is > 1 x 10<sup>5</sup> IU/mg.

### 产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1 µg of the protein by the LAL method.

保存 Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g.0.1%BSA,10%FBS,5%HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.



## 复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

## 背景介绍

The ciliary neurotrophic factor is a protein that in humans is encoded by the CNTF gene. It is a hypothalamic neuropeptide that is a potent survival factor for neurons and oligodendrocytes and may be relevant in reducing tissue destruction during inflammatory attacks. CNTF has also been shown to be expressed by cells on the bone surface and to reduce the activity of bone-forming cells (osteoblasts).

## SDS-PAGE

