

## β-NGF/ NGF/ NGFB (Ser122-Gly241), Mouse, Recombinant (PCK073)

货号 : PCK073

### 产品信息

别名 Beta-Nerve Growth Factor; Beta-NGF; NGF

物种 Mouse

表达宿主 E.coli

序列信息 asd

检索号 P01139

分子量 13.5 kDa

生物活性 Testing in progress

### 产品特性

纯度 >95% as determined by reducing SDS-PAGE.

内毒素 < 1.0 EU per μg as determined by LAL test.

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 20mM Tris-HCl, 150mM NaCl, pH 8.0



## 复融

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 distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## 背景介绍

NGF is the first member discovered in the Neurotrophin family, which includes brain-Derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3), and neurotrophin-4 (NT-4). These Proteins belong to the cysteine-knot family of Growth Factors that assume stable dimeric structures. Mouse beta -NGF is a homodimer of two 120 amino acid polypeptides. It shares approximately 90% homology at the amino acid level with human beta -NGF and 95.8% with rat beta -NGF. NGF signaling has been shown to play an important role in neuroprotection and repair. β-NGF acts as a growth and differentiation factor for B lymphocytes, and enhances B-cell survival. It is a potent neurotrophic factor that signals through its Receptor β-NGFR, and plays a crucial role in the development and preservation of the sensory and sympathetic nervous systems.

## SDS-PAGE

