

## β-NGF/NGF/NGFB/NGF-β, Human, Recombinant

货号：PCK070

### 产品信息

别名	β-Nerve Growth Factor, NGF-β
物种	Human
表达宿主	E.coli
序列信息	MSSSHPIFHRGEFSVCDSVSVWVGDKTTATDIKGKEVMVLGEVNINNSVFK QYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFVKALTM <sub>2</sub> MDGKQAAW RFIRIDTACVCLSRKAVRRA with polyhistidine tag at the C-terminus.
检索号	CAA36832
分子量	14.43 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is <0.7 ng/mL. The specific activity of recombinant human beta-NGF is > 1 x 10 <sup>6</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 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.



## 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

Nerve growth factor (NGF) is a neurotrophic factor and neuropeptide primarily involved in the regulation of growth, maintenance, proliferation, and survival of certain target neurons. NGF-β acts through its receptor β-NGFR and is involved in the development and maintenance of the sensory and sympathetic nervous systems. NGF-β also is also involved in the growth, differentiation, and survival of B lymphocytes. Human, mouse and rat proteins show cross-reactivity.

## SDS-PAGE

