

## β-NGF/ NGF/ NGFB (Ser122-Arg239, Cells), Human, Recombinant

货号 : PCK071

### 产品信息

别名	Beta-Nerve Growth Factor; Beta-NGF; NGF; NGFB
物种	Human
表达宿主	Human Cells
序列信息	Ser122-Arg239
检索号	P01138
分子量	13.3 kDa
生物活性	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 0.04-0.4 ng/ml.

### 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 PB, 250mM NaCl, pH 7.0.



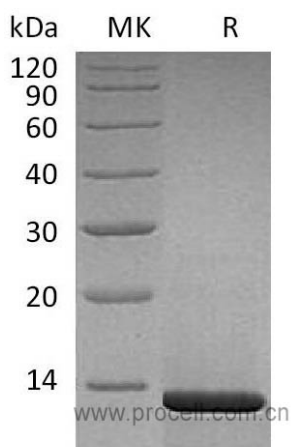
## 复融

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.

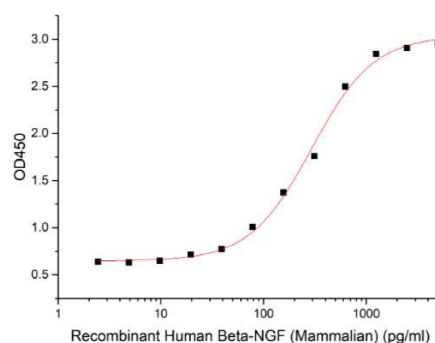
## 背景介绍

Human  $\beta$ -Nerve Growth Factor ( $\beta$ -NGF) was initially isolated in the mouse submandibular gland. It is composed of three non-covalently linked subunits  $\alpha$ ,  $\beta$ , and  $\gamma$ ; it exhibits all the biological activities ascribed to NGF. It is structurally related to BDNF, NT-3 and NT-4 and belongs to the cysteine-knot family of Growth Factors that assume stable dimeric structures. B-NGF is a neurotrophic factor that signals through its Receptor  $\beta$ -NGF, and plays a crucial role in the development and preservation of the sensory and sympathetic nervous systems. B-NGF also acts as a growth and differentiation factor for B lymphocytes and enhances B-cell survival. These results suggest that  $\beta$ -NGF is a pleiotropic Cytokine, which in addition to its neurotrophic activities may have an important role in the regulation of the immune system. Human  $\beta$ -NGF shares 90% sequence similarity with mouse Protein and shows cross-species reactivity.

## SDS-PAGE



## 生物活性



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