

β-NGF/NGF/NGFB/NGF-β, Human, Recombinant**Cat. No. : GPCK070****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MSSSHPIFHRGEFSVCDVSVVVGDKTTATDIKGKEVMVLGEVNINNSVFKQYFFETKCRDP NPVDSGCRGIDSKHWNSYCTTTHTFVKALTMDGKQAAWRFIRIDTACVCVLSRKAVRRA with polyhistidine tag at the C-terminus.
检索号	CAA36832
标签	His-tag at the C-terminus
分子量	14.43 kDa
有效期	12 months
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 × 10 ⁶ IU/mg.

产品特性

内毒素 (EU/μg)	< 0.1
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.
复溶	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.

