

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

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

