

β-NGF/NGF/NGFB (Glu19-Ala241), Human, Recombinant

Cat. No. : PCK069

General Information

Synonyms	Beta-Nerve Growth Factor;Beta-NGF;NGF;NGFB;β-NGF;pro-Beta NGF
Species	Human
Expression host	E.coli
Sequence	Glu19-Ala241
Accession	P01138
Mol mass	25 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	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.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Histidine-HCl, 5% Sucrose, 0.02% Tween80, pH5.0.
Reconstitution	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 sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

The precursor form of the Nerve Growth Factor (proNGF) like its mature form is characterized by the cystin knot Motif consisting of three cystine bridges, whereas proneurotrophins and mature neurotrophins elicit opposite biological effects. ProNGF functions preferentially via the complex of pan-neurotrophin Receptor p75 (p75NTR) and vps10p domain-containing Receptor sortilin inducing neuronal apoptosis and contributing to age-and disease-related neurodegeneration.

SDS-PAGE