

## Recombinant Chicken Nerve Growth Factor (NGF), N-His

**Cat. No.:** AP7F292

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Chicken Nerve Growth Factor (NGF), N-His is a recombinant protein expressed from *E. coli* expression system. Its predicted molecular weight is 28.4 kDa. The purity is >90% (SDS-PAGE). The endotoxin level is <1 EU/µg (LAL). It can be used as a positive control or as an immunogen.

### Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E. coli</i>
Purity	>90% (SDS-PAGE)
Endotoxin	<1 EU/µg (LAL)
Predicted Molecular Weight	28.4 kDa
Molecular Weight	32 kDa
Physical State	Lyophilized
Formulation	PBS(pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.)

### Target Information

Nerve growth factor (NGF), also known as beta-nerve growth factor, is encoded by the *NGF* gene. It is a nerve cell growth regulator with dual biological functions of neuronal nutrition and neurite growth promotion. It plays an important role in regulating the development, differentiation, growth, regeneration and expression of functional characteristics of central and peripheral neurons. In chickens, NGF may play a role in the development of spinal cords.

Protein	Chicken Nerve Growth Factor (NGF)
Protein Synonym	nerve growth factor, NGFB, beta-NGF, beta-nerve growth factor, nerve growth factor (beta polypeptide)
Gene ID	<a href="#">396466</a>
UniProt ID	<a href="#">P05200</a>

## Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10 mM PBS (pH 7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.