



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## GFM11

Recombinant Mouse NGF- $\beta$ 

## Description

Nerve Growth Factor  $\beta$  (NGF- $\beta$ ) is a neurotrophic factor that is important for the development and maintenance of sensory and sympathetic neurons. NGF- $\beta$  signals through the low affinity nerve growth factor receptor (LNGFR) and the tropomyosin receptor kinase A (TrkA) to activate PI3K, Ras, and PLC signaling pathways. NGF- $\beta$  is also involved in the growth, differentiation, and survival of B lymphocytes. Human, mouse, and rat NGF- $\beta$  proteins are cross-reactive.

<b>Length</b>	121 / 242 aa
<b>Molecular Weight</b>	13.6 / 27.2 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	Q6LDU8
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

## Specifications

<b>Alternative Names</b>	Nerve Growth Factor $\beta$ , $\beta$ -nerve growth factor, bNGF, NGFB
<b>Biological Activity</b>	Mouse NGF- $\beta$ is fully biologically active when compared to standard. The activity is determined by the ability to induce TF-1 cells proliferation and it is typically less than 5 ng/ml. This corresponds to an expected specific activity of $2.0 \times 10^5$ units/mg.
<b>Endotoxin Level</b>	≤1.00 EU/ $\mu$ g as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>AA Sequence</b>	MSSTHPVFHM GEFSVCDSVS VWVGDKTTAT DIKGKEVTVL AEVNINNSVF RQYFFETKCR ASNPVESGCR GIDSKHWNSY CTTHTFVKA LTTDEKQAAW RFIRIDTACV CVLSRKATRR G

## Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.