



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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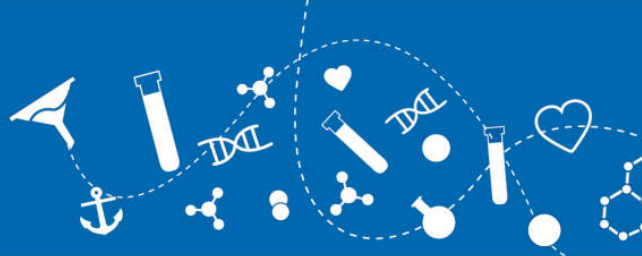
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## Pro-Nerve Growth Factor, human recombinant (rHuPro-NGF)

**Catalog No:** 87319  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Human Pro-NGF, ProNGF

### Background

Pro NGF is the pro-form of the neurotrophin nerve growth factor. Like the mature protein pro NGF is characterized by the cysteine knot motif consisting of three cysteine bridges. The protein predominantly exists as a non-covalently linked homodimer.

### Description

Pro-Nerve Growth Factor human recombinant produced in *E. coli* is a non-glycosylated, polypeptide chain containing 224 amino acids and having a molecular mass of 50 kDa. Pro NGF is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Pro NGF was lyophilized from a 0.2 µM filtered solution containing 20 mM sodium phosphate and 250 mM sodium chloride pH 7.2.

### Stability

Pro-Nerve Growth Factor, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Prolactin should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

### Purity

Greater than 95.0% as determined by SDS-PAGE.

### Amino Acid Sequence

MEPHSESNVP AGHTIPQVHW TKLQHS�LDTA LRRARSAPAA AIAARVAGQT RNITVDPRLF KKRRLRSRPRV LFSTQPPREA  
ADTQDLDFEV GGAAPFNRTTH RSKRSSSHPI FHRGEFSVCD SVSVWVGKTT ATDIKGKEVM VLGEVNINNS VFKQYFFETK  
CRDPNPVDSG CRGIDSKHWN SYCTTTHTFV KALTMDSKQA AWRFIRIDTA CVCVLSRKAV RRA

### Activity

The activity of the protein can be measured by its stimulating effect on the proliferation of TF1 cells (Chevalier et al. 1994 Blood 83, 1479-85). EC50 130 ± 30 pM (TF1 cell assay).

### Usage

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