

## Product datasheet

# Recombinant Human NGF protein ab55441

### Overview

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<b>Product name</b>	Recombinant Human NGF protein
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Species</b>	Human
<b>Sequence</b>	MEPHSESNVPAGHTIPQVHWTKLQHSLDTALRRARSAPAAAIAARVAGQT RNITVDPRLFKKRRLRSRVL FSTQPPREAADTQDLDFEVGGAAPFNRTHRSKRSSSHPIFHRGEFSVCDS VSVWVGDKTTATDIKGKEVM VLGEVNINNSVFKQYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFV KALTMDGKQAAWRFIRIDTA CVCVLSRKAVR.

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab55441** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Purity</b>	> 95 % SDS-PAGE. ab55441 is purified by chromatographic techniques. Purity tested by SDS-PAGE and RP-HPLC.
<b>Form</b>	Liquid
<b>Additional notes</b>	ab55441 can be desiccated and frozen at -18 centigrade for long term storage. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C.
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Preservative: None

Constituents: 50mM Sodium phosphate buffer, 150mM Sodium chloride, pH 7.2

## General Info

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<b>Function</b>	Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. Extracellular ligand for the NTRK1 and NGFR receptors, activates cellular signaling cascades through those receptor tyrosine kinase to regulate neuronal proliferation, differentiation and survival. Inhibits metalloproteinase dependent proteolysis of platelet glycoprotein VI (PubMed:20164177).
<b>Involvement in disease</b>	Neuropathy, hereditary sensory and autonomic, 5
<b>Sequence similarities</b>	Belongs to the NGF-beta family.
<b>Cellular localization</b>	Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
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