

# Recombinant mouse NGF protein ab50125

## 1 References

### Description

<b>Product name</b>	Recombinant mouse NGF protein
<b>Biological activity</b>	The ED <sub>50</sub> as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is ≤ 1.0 ng/ml, corresponding to a specific activity of ≥ 1 x 10 <sup>6</sup> units/mg.
<b>Purity</b>	> 95 % SDS-PAGE. Greater than 98% by SDS-PAGE and HPLC analyses.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Mouse
<b>Sequence</b>	SSTHPVFHM GEFSVCDSVS VVVGDKTTAT DIKGKEVTVL AEVNINNSVF RQYFFETKCR ASNPVESGCR GIDSKHWNSY CTTHTFVKA LTDEKQAAW RFIRDTACV CVLSRKATRR G
<b>Amino acids</b>	1 to 120

### Specifications

Our **Abpromise guarantee** covers the use of **ab50125** 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>Form</b>	Lyophilized

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for

future use.

## 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. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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