

Product datasheet

Recombinant Human NGF protein ab55441

Overview

Product name	Recombinant Human NGF protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Human
Sequence	MEPHSESNVPAGHTIPQVHWTKLQHSLDTALRRARSAPAAAIAARVAGQT RNITVDPRLFKKRRLRSRVL FSTQPPREAADTQDLDFEVGGAAPFNRTHRSKRSSSHPIFHRGEFSVCDS VSVWVGDKTTATDIKGKEVM VLGEVNINNSVFKQYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFV KALTMDGKQAAWRFIRIDTA CVCVLSRKAVR.

Specifications

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.

Applications	SDS-PAGE Functional Studies
Purity	> 95 % SDS-PAGE. ab55441 is purified by chromatographic techniques. Purity tested by SDS-PAGE and RP-HPLC.
Form	Liquid
Additional notes	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

Stability and Storage	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

Function	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).
Involvement in disease	Neuropathy, hereditary sensory and autonomic, 5
Sequence similarities	Belongs to the NGF-beta family.
Cellular localization	Secreted.

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