

Human NGF precursor

Synonyms: Human Pro-NGF, ProNGF, NGFB.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1746.950.002		
10 µg	1746.950.010		
100 µg	1746.950.100		

Please enquire for bulk quantities and other vial sizes

Description

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. 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 50KDa.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** ProNGF was lyophilized from a 0.2 µM filtered solution of 20mM PB and 250mM NaCl pH 7.2*
- **Physical state** Sterile filtered, lyophilized

Reconstitution

It is recommended to reconstitute the lyophilized ProNGF in 1xPBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized ProNGF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution ProNGF should be stored at 4°C between 2-7 days and for future use below -18°C. **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MEPHSESNVP AGHTIPQAHW TKLQHS�DTA LRRARSAPAA AIAARVAGQT RNITVDPRLF KKRRLRSRPRV
LFSTQPPREA ADTQDLDFEV GGAAPFNRTN RSKRSSSHPI FHRGEFSVCD SVSVWVGDKT TATDIKKEV
MVLGEVNINN SVFKQYFFET KCRDPNPVDS GCRGIDSKHW NSYCTTTHTF VKALTMGKQ AAWRFIRIDT
ACVCVLSRKA VRRRA

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
Tel.: +49 40 43208448-0
order@active-bioscience.de
www.active-bioscience.de

TECHNICAL SUPPORT
Tel.: +49 40 43208448-11
support@active-bioscience.de

Active Bioscience GmbH
Oberaltenallee 8
D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg