

NGF

Recombinant Human Pro-Nerve Growth Factor

Catalog No.	CRN203A CRN203B CRN203C	Quantity:	2 µg 10 µg 100 µg
Description:	<p>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.</p> <p>Recombinant Human Pro-Nerve Growth Factor is a non-glycosylated, polypeptide chain containing 222 amino acids and having a molecular mass of 49.7 kDa. The Pro NGF is purified by proprietary chromatographic techniques.</p>		
Concentration:	1.0 mg/ml		
Source:	<i>E. coli</i>		
Formulation:	Sterile filtered liquid in a buffer of 50 mM sodium phosphate, pH 7.2 + 150 mM sodium chloride.		
Purity:	>98% as determined by RP-HPLC and SDS-PAGE		
Endotoxin Level:	<0.1 ng/µg of the protein.		
Biological Activity:	Determined by its stimulation of the proliferation of TF1 cells (TF1 cell assay). The EC ₅₀ = 130 ± 30 pM.		
Amino Acid Sequence:	MEPHSESNVP AGHTIPQVHW TKLQHSLDTA LRRARSAPAA AIAARVAGQT RNITVDPRLF KKRRRLSPRV LFSTQPPREA ADTQDLDFEV GGAAPFNRTN RSKRSSHPH FHRGEFSVCD SVSVWVGKTT ATDIKGKEVM VLGEVNINNS VFKQYFFETK CRDPNPVDSG CRGIDSKHWN SYCTTTHTFV KALTMGDKQA AWRFIRIDTA CVCVLSRKAV R		
Storage & Stability:	Centrifuge vial prior to opening Although stable for three weeks at ambient temperature, product should be stored at 2-4°C. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.		

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