



## Recombinant Human ProNGF

## Datasheet

**Catalog Number:** PR27004

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MEPHSESNVPAGHTIPQVHWTKLQHS�DTALRRARSAPAAAIAARVAGQTRNITVDPRLFKKRRLRSPRVLFSTQPPREAADTQDLDFEVGGAAPFNRTHRSKRSSSHPIFHRGEFSVCDSVSVVVGDKTTATDIKGKEVMVLGEVNNINNSVFKQYFFETKCRDPNPVDSGCRGIDSKHWNSYCTTTHTFVKALTMDGKQAAWRFRIDTACVCVLSRKAVR.

**Description/Molecular Mass:** Recombinant Human Pro-NGF produced in E.Coli is a non-glycosylated, polypeptide chain containing 222 amino acids and having a molecular mass of 49,738 Dalton. Recombinant Pro-NGF is purified by proprietary chromatographic techniques.

**Biological Activity:** The activity of the protein can be measured by its stimulating effect on the proliferation of TF1 cells (Chevalier et al. 1994 Blood 83, 1479-85). EC<sub>50</sub> 130 ± 30 pM (TF1 cell assay).

**Purity:** Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

**Format:** The sterile protein solution 1.2mg/ml contains 50mM sodium phosphate buffer pH 7.2. 150mM sodium chloride.

**Storage:** Recombinant human ProNGF rHuLIF although stable at 15°C for 3 weeks, should be stored at 4°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
**Please avoid freeze-thaw cycles.**

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