

## HUMAN PRO-BETA NGF PROTEIN

**Cat.#:** 12079

**Product Name:** Human Pro-Beta NGF Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Beta-Nerve Growth Factor;Beta-NGF;NGF;NGFB;-NGF;pro-Beta NGF

**Target:** pro-Beta

**UNIPROT ID:** P01138

**Description:** Recombinant Human pro-Nerve Growth Factor is produced by our E.coli expression system and the target gene encoding Glu19-Ala241 is expressed.

**Background:** The precursor form of the nerve growth factor (proNGF) like its mature form is characterized by the cystin knot motif consisting of three cystine bridges, whereas proneurotrophins and mature neurotrophins elicit opposite biological effects. ProNGF functions preferentially via the complex of pan-neurotrophin receptor p75 (p75NTR) and vps10p domain-containing receptor sortilin inducing neuronal apoptosis and contributing to age- and disease-related neurodegeneration.

**Species/Host:** E.coli

**Molecular Weight:** 25 KDa

**Molecular Characterization:** Not available

**Purity:** Greater than 95% as determined by reducing SDS-PAGE.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

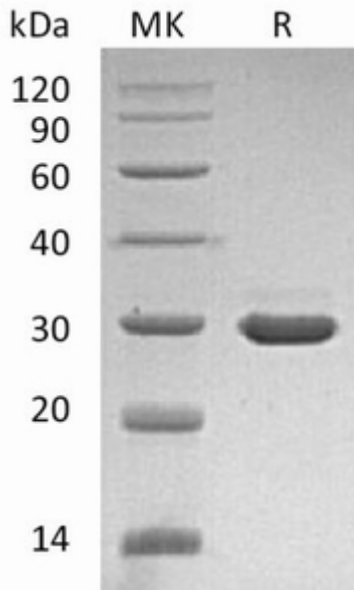


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.