

## HUMAN PRO-BDNF PROTEIN

货号: 12078

产品全名: 人 Pro-BDNF 蛋白

规格: 10/50/100 µg

基因符号 Brain-Derived Neurotrophic Factor;BDNF;Abrineurin

目标蛋白: pro-BDNF

**UNIPROT ID:** P23560

**描述:** "Recombinant Human Pro-Brain-Derived Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding Ala19-Arg247(R125A

**背景:** The precursor form of Brain-Derived Neurotrophic Factor (pro-BDNF) interacts preferentially with the pan-neurotrophin receptor p75 (p75NTR) and vps10p domain-containing receptor sortilin and induces neuronal apoptosis, whereas mature BDNF selectively binds with high affinity to the TrkB kinase receptor and promotes the survival, growth and differentiation of neurons. As proneurotrophins and mature neurotrophins elicit opposite biological effects, Pro-BDNF cleavage in the neuronal system is regulated in a specific and cell-context dependent manner. Pro-BDNF plays important role in negative regulation of neurotrophic actions in the brain.

物种/宿主: E.coli

分子量: 25.6 KDa

分子特征: Not available

纯化: 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.

**储存和运输:** 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.

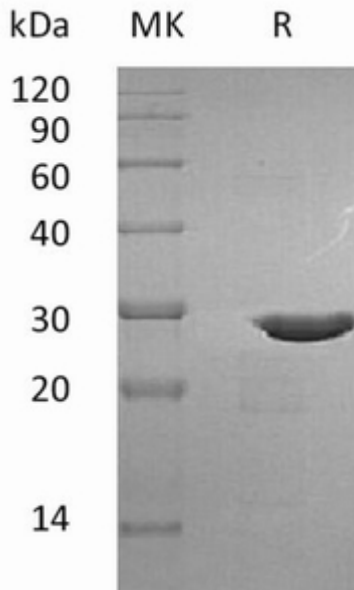


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.