

**pro-BDNF/BDNF, Human, Recombinant****Cat. No. : GPCK084****产品信息**

物种	Human
表达宿主	E.coli
序列信息	Ala19-Arg247 (R125A,R127A,R128A)
检索号	P23560
分子量	25.6 kDa
有效期	6 months

**产品特性**

内毒素 (EU/μg)	< 0.1
保存	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
运输	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
制剂	Supplied as a 0.2 μm filtered solution of 20 mM PB, 10% Trehalose, 100 mM NaCl, 0.02% Tween 80, pH 6.0.

**背景介绍**

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.

