

BDNF, Human/Mouse/Rat, Recombinant**Cat. No. : GPCK083****产品信息**

物种	Human/Mouse/Rat
表达宿主	E.coli
序列信息	MHSDPARRGELSVCDISEWVTAAKKTAVDMSGGTVTVLEKVPVSKGQLKQYFYETKCNP MGYTKEGCRGIDKRHWNSQCRTTQSYVRALTMDSKKRIGWRFIRIDTSCVCTLTIKRGR with polyhistidine tag at the C-terminus.
检索号	P23560.1 (Human), P21237.1 (Mouse), P23363.1 (Rat)
标签	His-tag at the C-terminus
分子量	14.45 kDa
有效期	12 months
生物活性	Measure by its ability to induce proliferation in BaF3 cells transfected with TrkB. The ED50 for this effect is < 2 ng/mL.

产品特性

内毒素 (EU/μg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

BDNF, also known as Brain-derived neurotrophic factor, is encoded by the BDNF Gene in human. BDNF is a member of the neurotrophin family of growth factors, which are related to the canonical nerve growth factor. Neurotrophic factors are found in the brain and the periphery. The versatility of BDNF is emphasized by its contribution to a range of adaptive neuronal responses including long-term potentiation (LTP), long-term depression (LTD), certain forms of short-term synaptic plasticity, as well as homeostatic regulation of intrinsic neuronal excitability.

