
Product Data Sheet

Product Name: BDNF Human, HEK
Cat. No.: GP20087
Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 Cells.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Brain-Derived Neurotrophic Factor; BDNF; MGC34632; Abrineurin; ANON2; BULN2.		
Amino Acid Sequence	APMKEANIRG QGGLAYPGVR THGTLESVNG PKAGSRGLTS LADTFEHVIE ELLDEDQKVR PNEENNKDAD LYTSRVMLSS QVPLEPPLLF LLEEYKNYLD AANMSMRVRR HHHHHH.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely.		
Formulation	BDNF filtered (0.4 μ m) and lyophilized from 0.5mg/ml in PBS.		

Introduction

BDNF promotes the survival of neuronal populations that are all located either in the central nervous system or directly connected to it. BDNF is a major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. 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.

Stability

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

BDNF Human Recombinant is a single, glycosylated polypeptide chain containing 116 amino acids (19-128a.a) and having a molecular mass of 13.1kDa (calculated). BDNF is fused to a 6 a.a His tag at C-terminal.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA