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BDNF Human, HEK

Brain-Derived Neurotrophic Factor Human Recombinant, HEK
NTR0006

Product Overview

Name	BDNF Human, HEK

Description

Brain-Derived Neurotrophic Factor Human Recombinant, HEK

Accession (Primary)	P23560

Synonyms

Brain-Derived Neurotrophic Factor, BDNF, MGC34632, Abrineurin, ANON2, BULN2.

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.

Source

HEK293 Cells.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

BDNF filtered (0.4 µm) and lyophilized from 0.5mg/ml in PBS.

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

APMKEANIRG QGGLAYPGVR THGTLESVNG PKAGSRGLTS LADTFEHVIE ELLDEDQKVR PNEENNKDAD LYTSRVMLSS QVPLEPPLLF LLEEYKNYLD AANMSMRVRR HHHHHH .

Solubility

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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.

Precautions

BDNF Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P23560)