

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, Neurotrophin, Abreineurin, ANON2, BULN2, Brain-derived neurotrophic factor.

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

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

BDNF protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M HSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL
KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR.

Precautions

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

Target Information: ([P23560](#))