

# 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 SGLVPRGSH 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](#) )