9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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BDNF Human, His

Brain-Derived Neurotrophic Factor Human Recombinant, His Tag
NTR0007

Product Overview

Name	BDNF Human, His

Description

Brain-Derived Neurotrophic Factor Human Recombinant, His Tag

Accession (Primary)	P23560

Synonyms

Brain-Derived Neurotrophic Factor, Neurotrophin, Abrineurin, 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 LSVCDSISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR.

Precautions

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

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Target Information: (P23560)