

Recombinant human BDNF protein

Catalog Number: ATGP3000

PRODUCT INFORMATION

Expression system

E.coli

Domain

129-247aa

UniProt No.

P23560

NCBI Accession No.

NP_001700

Alternative Names

Brain-derived neurotrophic factor isoform a, ANON2, BuLN2

PRODUCT SPECIFICATION

Molecular Weight

15.8 kDa (140aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

BDNF also known as Brain-derived neurotrophic factor. This protein is during development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. 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. Recombinant human BDNF protein, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN
PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR

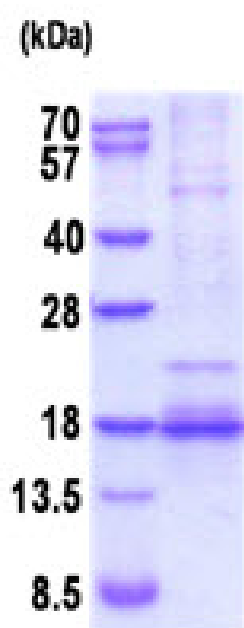
General References

Egan M.F., et al (2003). Cell 112:257-269.

Ribases M., et al (2003). Mol. Psychiatry 8:745-751.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)