

# Recombinant human BDNF protein

Catalog Number: ATGP3000

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

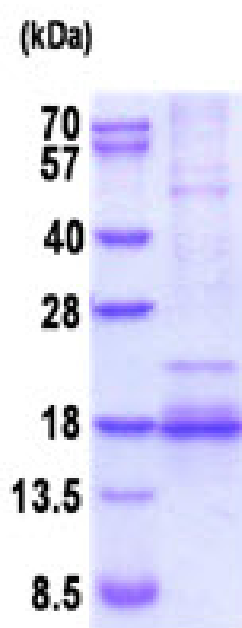
## General References

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)