

AR51820PU-S**Human BDNF (129-247, His-tag) - Purified****Alternate names:**

Abrineurin, Brain-derived neurotrophic factor

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P23560](#)**NCBI:**[NP_001700](#)**GeneID:**[627](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.**Description:**

Recombinant human BDNF protein, was expressed in E.coli.

AA Sequence:MGSSHHHHH SGLVPRGSH MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL
EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMSKKKRIG
WRFIRIDTSC VCTLTIKRGR**Molecular weight:** 15.8 kDa (140aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Egan M.F., et al (2003). Cell 112:257-269. Ribases M., et al (2003). Mol. Psychiatry 8:745-751.

Pictures:

