

# Product information

**BDNF, 129-247 aa**

**Human, His-tagged, Recombinant, *E.coli***

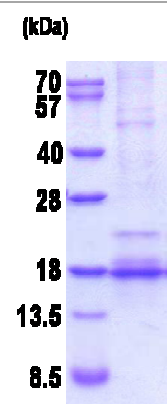
**Cat. No. IBATGP3000**

**Full name:** Brain-derived neurotrophic factor isoform a

**NCBI Accession No.:** NP\_001700

**Synonym:** ANON2, BULN2

**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*.

<p><b>Form:</b> Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol</p> <p><b>Molecular Weight:</b> 15.8 kDa (140aa)</p> <p><b>Purity:</b> &gt; 85% by SDS - PAGE</p> <p><b>Concentration:</b> 1mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MHSDPARRGE</u> LSVCDISISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKRGR</p>	

**General references:**

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

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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**