

**BDNF, 129-247 aa, Human, His tag, E.coli**

**Cat.NO.: TP01319**

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3th Edition

**Synonyms:**Brain-derived neurotrophic factor isoform a, 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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**15.8 kDa (140aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMHSDPARRGELSVCDSEWVTAADKKTAVDMSGGTVTVLEKVPVSKGQLKQYF  
YETKCNPMGYTKEGCRGIDKRHWNSQCRTTQSYVRALTMDSKKRIGWRFIRIDTSCVCTLTIKRGR

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.