

## 32-6307: BDNF Human, His

**Alternative Name :** Brain-Derived Neurotrophic Factor, Neurotrophin, Abrineurin, ANON2, BULN2, Brain-derived neurotrophic factor.

### Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

BDNF promotes the survival of neuronal populations that are all located either in the central nervous system or directly connected to it. BDNF is a major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. 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.

BDNF Human Recombinant produced in E. coli is a single, non-glycosylated polypeptide chain containing 140 amino acids (129-247 a.a) and having a molecular mass of 15.8 kDa. BDNF is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** BDNF protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL  
EKVPVSKGQL KQYFYETKCN PMGYTKEGCR GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC  
VCTLTIKRGR.