

### 32-18230: Recombinant Human/Murine/Rat BDNF Protein

**Uniprot ID :** P23560

**Alternative Name :** Brain-Derived Neurotrophic Factor; BDNF; Abrineurin

#### Description

Molecular Weight: 13 KDa

Description: Recombinant Human Brain-Derived Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding His129-Arg247 is expressed.

Brain-Derived Neurotrophic Factor (BDNF) is a member of the neurotrophin family. Along with other structurally related neurotrophic factors NGF, NT-3 and NT-4, BDNF binds with high affinity to the TrkB kinase receptor. It also binds with the LNGFR (for low-affinity nerve growth factor receptor, also known as p75). BDNF promotes the survival, growth and differentiation of neurons. It serves as a major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS. BDNF expression is altered in neurodegenerative disorders such as Parkinson's and Alzheimer's disease.

#### Product Info

**Amount :** 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, pH 7.2.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.