

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.