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Product Datasheet

Recombinant Human/Murine/Rat BDNF
EBT-EPT036

Artikelname	Recombinant Human/Murine/Rat BDNF
Artikelnummer	EBT-EPT036
Hersteller Artikelnummer	EPT036
Alternativnummer	EBT-EPT036-50
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant Human Brain-Derived Neurotrophic Factor is produced by our E.coli expression system and the target gene encoding His129-Arg247 is expressed....
Molekulargewicht	Molecular weight: 13 KDa. Apparent molecular weight: 14 KDa, reducing conditions
UniProt	P23560
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	Redissolve: Always centrifuge tubes before opening.Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/µg (0.01 EU/µg) as determined by LAL test. Biological activity: Immobilized Human TrkB-His (CatC507) at 2ug/ml (100 µl/well) can bind Human BDNF*(CatC076)*: Biotinylated by NHS-biotin prior to testing. The ED50 of Human BDNF*(CatC076) is 47.58 ng/ml. Background: 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 Parkinsons and Alzheimers disease