

PRODUCT INFORMATION

BDNF Target

Brain-Derived Neurotrophic **Synonyms** Factor; BDNF; Abrineurin

Recombinant Human Brain-Derived Neurotrophic Factor is produced by our E.coli expression

system and the target gene encoding His129-

Arg247 is expressed.

Delivery In Stock **Uniprot ID** P23560 **Expression Host** E.coli

Tag

Description

Molecular

Not available Characterization

Molecular Weight 13 KDa

Greater than 95% as determined by reducing **Purity**

SDS-PAGE.

Formulation & Reconstitution

Storage & Shipping

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

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.

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 **Background**

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

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Parkinson's and Alzheimer's disease.

Usage Research use only

Conjugate Unconjugated





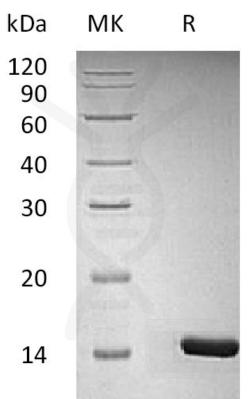


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

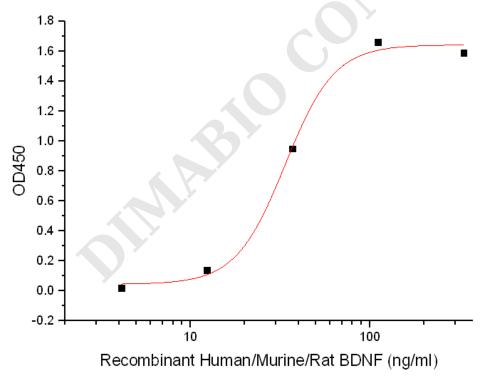


Figure 2. Immobilized Human TrkB-His at $2\mu g/mL$ (100 $\mu l/well$) can bind Human BDNF*: Biotinylated by NHS-biotin prior to testing. The ED50 of Human BDNF* is 47.58 ng/ml.

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