

Human BDNF, His Tag, E. coli

Catalog Number LDG13

Package

LDG130PHE

5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.



Specifications

Species of Origin Human	Expression System Escherichia coli
Affinity Tag His Tag (C-term)	Storage Buffer Lyophilized from a 0.2 μm filtered solution containing 20 mM sodium citrate and 0.2 M NaCl, pH 3.5.
Purity >98% as determined by SDS-PAGE analysis.	Molecular weight The protein has a calculated MW of 14.45 kDa. The protein migrates as 14 kDa under reducing condition (SDS-PAGE analysis).
Activity Measure by its ability to induce proliferation in BaF3 cells transfected with TrkB. The ED ₅₀ for this effect is <2 ng/mL.	Endotoxin Level <0.1 EU per 1 μg of the protein by the LAL method.
Form	

Lyophilized

Background

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Background

Brain-derived neurotrophic factor (BDNF) is a member of neurotrophin family that not only primarily expressed in hippocampus, amygdala, cerebral cortex, hypothalamus and cerebellum but also has been detected in blood platelets and in circulating plasma. BDNF is a 27.8 kDa protein containing 247 residues, which plays a critical role in regulating synaptic transmission and plasticity in various region of the CNS. Additionally, BNDF can acts as a modulator in the long-term potentiation of memory-related modifications in hippocampal synaptic transmission.

Uniprot ID

#P23560

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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Synonyms

Brain-derived neurotrophic factor, BDNF, Abrineurin

Sequence Note

His132-Arg250

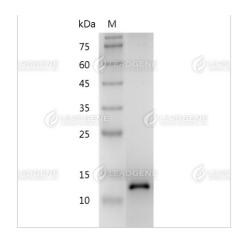
Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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SDS-PAGE analysis of recombinant human BDNF.

Disclaimer : For Research Use or Further Manufacturing Only.

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