

Recombinant Human BDNF Protein, His-tagged

Cat. No. BDNF-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BDNF protein (19-128a.a) fused to a 6 a.a His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	19-128
Description	The protein encoded by this gene is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimer's and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene.
Form	Filtered White lyophilized (freeze-dried) powder.
AA Sequence	APMKEANIRGQGGLAYPGVIRTHGTLESVNGPKAGSRGLTSLADTFEHVIEELLDED QKVRPNEENNKDADLYTSRVMLSSQVPLEPPLLFLLEEYKNYLDAANMSMRVRRHH HHHH.
Purity	Greater than 95.0% as determined by SDS-PAGE.
Notes	Our products are furnished for LABORATORY RESEARCH USE ONLY. They may

 Tel: 1-631-559-9269 1-516-512-3133

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	not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Store lyophilized protein at -20 centigrade. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 centigrade for a limited period of time; it does not show any change after two weeks at 4 centigrade.
Storage Buffer	BDNF filtered (0.4 µm) and lyophilized from 0.5mg/ml in PBS.
Reconstitution	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.
Shipping	Shipped at Room temperature.

GENE INFORMATION

Gene Name	BDNF brain derived neurotrophic factor [Homo sapiens (human)]
Official Symbol	BDNF
Synonyms	BDNF; brain derived neurotrophic factor; ANON2; BULN2; brain-derived neurotrophic factor; abrineurin; neurotrophin
Gene ID	627
mRNA Refseq	NM_170735
Protein Refseq	NP_733931
MIM	113505

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UniProt ID

P23560

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