

Recombinant Mouse Bdnf Protein, MYC/DDK-tagged

Cat. No. Bdnf-703M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse brain derived neurotrophic factor (Bdnf), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is a member of the nerve growth factor family. It is involved in the growth, differentiation and survival of specific types of developing neurons both in the central nervous system (CNS) and the peripheral nervous system. It is also involved in regulating synaptic plasticity in the CNS. Expression of a similar gene in human is reduced in both Alzheimer's and Huntington disease patients. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein.
Molecular Mass	29.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Bdnf brain derived neurotrophic factor [Mus musculus (house mouse)]
Official Symbol	Bdnf
Synonyms	Bdnf; brain derived neurotrophic factor; brain-derived neurotrophic factor
Gene ID	12064
mRNA Refseq	NM_007540
Protein Refseq	NP_031566
UniProt ID	A2AII2

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