

## Recombinant Mouse Bdnf Protein, MYC/DDK-tagged

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Purified recombinant protein of full-length mouse brain derived neurotrophic factor (Bdnf), with C-terminal MYC/DDK tag, expressed in HEK293T cells.  |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | HEK293  |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 29.6 kDa  |
| <b>Purity</b>           | >80% as determined by SDS-PAGE and Coomassie blue staining  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.   |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.  |
| <b>Concentration</b>    | >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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