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## DATASHEET

Recombinant human BDNF (HEK expressed) protein

### Product overview

<b>Name</b>	Recombinant human BDNF (HEK expressed) protein
<b>Cat No</b>	HB6907
<b>Species of origin</b>	human
<b>Alternative names</b>	Brain-Derived Neurotrophic Factor Human Recombinant, HEK, Brain-Derived Neurotrophic Factor, BDNF, MGC34632, Abrineurin, ANON2, BULN2.
<b>Purity</b>	>95%
<b>Description</b>	HEK expressed recombinant human BDNF protein

### Solubility & Handling

<b>Solubility overview</b>	To make a working stock solution, add deionized water to make a solution (0.5mg/mL) and allow the lyophilized material to dissolve
<b>Handling</b>	<ul style="list-style-type: none"><li>• Following reconstitution, solutions may be stored at 4°C and are useable for a limited period of time. For future use store at -18°C.</li><li>• Freeze-thaw cycles should be prevented.</li></ul>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Source</b>	HEK293 Cells.
<b>Appearance</b>	White lyophilized powder (filtered & freeze-dried)
<b>Formulation</b>	Lyophilized & filtered (0.4µm) from 0.5mg/ml in PBS

### References

#### Brain-derived neurotrophic factor

Binder DK *et al* (2004) Growth Factors 22(3)

**PubMedID** [15518235](#)

#### Cultured hippocampal neurons show responses to BDNF, NT-3, and NT-4, but not NGF

Ip NY *et al* (1993) J Neurosci 13(8)

**PubMedID** [7688038](#)

#### The ability of BDNF to modify neurogenesis and depressive-like behaviors is dependent upon phosphorylation of tyrosine residues 365/367 in the GABA(A)-receptor γ2 subunit

Vithlani M *et al* (2013) J Neurosci 33(39)

**PubMedID** [24068823](#)

#### Neurotrophins: roles in neuronal development and function

Huang EJ *et al* (2001) Annu Rev Neurosci 24

**PubMedID** [11520916](#)

**BDNF function in adult synaptic plasticity: the synaptic consolidation hypothesis**

Bramham CR *et al* (2005) Prog Neurobiol 76(2)

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