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DATASHEET

Recombinant human BDNF (HEK expressed) protein

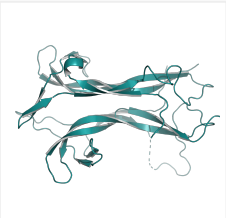
Product overview

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

Solubility & Handling

Solubility overview	To make a working stock solution, add deionized water to make a solution (0.5mg/mL) and allow the lyophilized material to dissolve
Handling	• 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. • Freeze-thaw cycles should be prevented.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

UniProt ID	P23560
Chemical structure	
Source	HEK293 Cells.
Appearance	White lyophilized powder (filtered & freeze-dried)
Formulation	Lyophilized & filtered (0.4μm) from from 0.5mg/ml in PBS

References

Brain-derived neurotrophic factor

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

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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)
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Neurotrophins: roles in neuronal development and function

Huang EJ *et al* (2001) Annu Rev Neurosci 24
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BDNF function in adult synaptic plasticity: the synaptic consolidation hypothesis

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