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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

• 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.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 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

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 $\gamma 2$ 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) **PubMedID** 16099088