Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



# **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.

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
Chemical structure

P23560



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 y2 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