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DATASHEET

Recombinant human BDNF (His Tag) protein

Product overview

Name Recombinant human BDNF (His Tag) protein

Cat No HB7742 Species of origin human

Alternative names Recombinant Human Brain-Derived Neurotrophic Factor, His Tag, Brain-Derived Neurotrophic Factor,

Neurotrophin, Abrineurin, ANON2, BULN2, Brain-derived neurotrophic factor.

Purity >85%

Description His tag recombinant human BDNF protein

Solubility & Handling

Handling • Following reconstitution, solutions may be stored at 4°C if being used withing 2-4 weeks. For

future use store at -20°C.

• For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions.

Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles

should be prevented.

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

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 Source E. Coli.

Appearance Colourless solution (sterile filtered)

Formulation Solution (1mg/ml) containing Tris-HCl buffer (20mM, pH 8.0) and 10% glycerol

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