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

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