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DATASHEET

Recombinant human CNTF (His Tag) active protein

Product overview

Name	Recombinant human CNTF (His Tag) active protein
Cat No	HB7414
Species of origin	human
Alternative names	Recombinant Human Ciliary Neurotrophic Factor, His Tag Active, Ciliary neurotrophic factor, CNTF, HCNTF.
Purity	>95%
Description	His tag active recombinant human BDNF protein

Biological Data

Application notes	The $ED_{50} = \leq 1 \mu\text{g/ml}$ (for the effect measured in a cell proliferation assay using TF-1 human erythroleukemic cells)
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Solubility & Handling

Handling	<ul style="list-style-type: none">Solutions should be made in sterile deionized water (not less than 100 $\mu\text{g/ml}$). This solution can then be further diluted with other aqueous solutions.Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°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	P26441
Source	E. Coli.
Appearance	Clear solution (sterile filtered)
Formulation	Solution (1mg/ml) containing Tris-HCl buffer (20 mM, pH 8.5), DTT (1mM), 30% Glycerol and 200mM NaCl

References

The ciliary neurotrophic factor and its receptor, CNTFR alpha

Sleeman MW *et al* (2000) Pharm Acta Helv 74(2-3)

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Ciliary neurotrophic factor (CNTF) promotes skeletal muscle progenitor cell (MPC) viability via the phosphatidylinositol 3-kinase-Akt pathway

Hiatt K *et al* (2014) J Tissue Eng Regen Med 8(12)

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23147834

Ciliary neurotrophic factor (CNTF): New facets of an old molecule for treating neurodegenerative and metabolic syndrome pathologies

Pasquin S *et al* (2015) Cytokine Growth Factor Rev 26(5)

PubMedID

26187860
