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DATASHEET

Recombinant mouse CNTF protein

Product overview

Name Recombinant mouse CNTF protein

Cat No HB8930 Species of origin mouse

Alternative names Recombinant Mouse Ciliary Neurotrophic Factor, HCNTF, CNTF, Ciliary Neurotrophic Factor.

Purity >97%

Description Mouse CNTF protein

Biological Data

Application notes Fully biologically active when compared to standard. ED₅₀ = <35ng/ml (determined by the dose-

dependant stimulation of TF-1 cells), corresponding to a Specific Activity of 3.0x10⁴ IU/mg.

Solubility & Handling

Solubility overview To make a stock solution, reconstitute in sterile $18M\Omega cm$ water at a concentration $> 100 \mu g/ml$, which

can then be diluted to make a working solution

Solutions should be made in sterile deionized water (not less than 100 μg/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.

• 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 P51642 Source E. Coli.

AppearanceWhite lyophilized powder (sterile filtered & freeze-dried)FormulationLyophilized from a 0.2µm filtered solution in PBS (pH 7.4)

References

The ciliary neurotrophic factor and its receptor, CNTFR alpha

Sleeman MW *et al* (2000) Pharm Acta Helv 74(2-3) **PubMedID** 10812968

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) **PubMedID**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