

Recombinant Human CNTF Protein, His tag

产品信息

产品名称	产品编号	规格
Recombinant Human CNTF Protein, His tag	92131ES10	10 µg
	92131ES60	100 µg
	92131ES76	500 µg

产品简介

CNTF protein is a neurotrophic factor that promotes neuronal survival and differentiation. It is involved in the regulation of various cellular processes, such as inflammation, metabolism, and immune response. CNTF has potential therapeutic applications for the treatment of neurodegenerative diseases.

性能参数

Synonyms	HCNTF,ciliary neurotrophic factor
Uniprot No.	P26441
Source	Recombinant Human CNTF Protein is expressed from HEK293 Cells with His tag at the N-terminal. It contains Met1-Met200.
Molecular Weight	The protein has a predicted MW of 24.01 kDa. And it migrates as 25-33 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity	> 95% as determined by SDS-PAGE.
Endotoxin	<0.01 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with sterile PBS to ensure the concentration is greater than 100 ug/mL.

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1.Please operate with lab coats and disposable gloves,for your safety.

2.This product is for research use only.

产品数据

SDS-PAGE

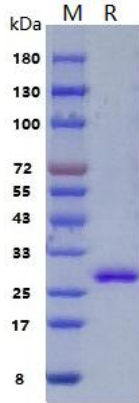


Figure 1. Human CNTF on SDS-PAGE under reduced condition. The purity is greater than 95%.

Bioactivity-Cell based assay

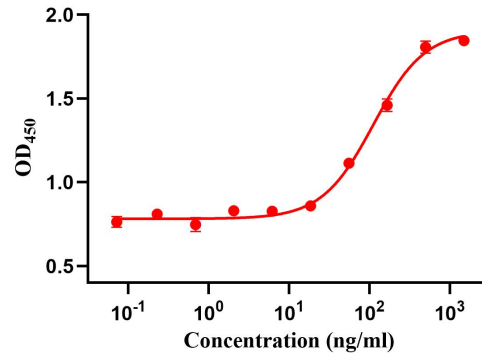


Figure 2. The ED₅₀ as determined by a cell proliferation assay using human TF-1 cells is less than 150 ng/mL, corresponding to a specific activity of $> 6.6 \times 10^3$ IU/mg.