

Recombinant Rat CNTF protein(Met1-Met200)

Cat. No. Cntf-579R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat CNTF (P20294) (Met 1-Met 200) was expressed and purified in E. coli.
Species	Rat
Source	E.coli
ProteinLength	1-200 a.a.
Form	Lyophilized from sterile 50mM Tris, 0.1M NaCl, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized rat CNTF at 10 µg/ml (100 µl/well) can bind biotinylated rat CNTFR-His (aa 1-346) with a linear range of 1.56-50.0 ng/ml. 2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 10-100 ng/ml.
Molecular Mass	The recombinant rat CNTF consisting of 200 amino acids and has a calculated molecular mass of 22.9 kDa. It migrates as an approximately 24 kDa band in SDS-PAGE under reducing conditions.
Purity	> 92 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cntf ciliary neurotrophic factor [Rattus norvegicus]
Official Symbol	CNTF
Synonyms	CNTF; ciliary neurotrophic factor; ciliary neurotropic factor;
Gene ID	25707
mRNA Refseq	NM_013166
Protein Refseq	NP_037298

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