

Product datasheet for **AR31054PU-N**

CNTF Rat Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CNTF rat recombinant protein, 5 µg
Species:	Rat
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MAFAEQTPLT LHRRLCSRS IWLARKIRSD LTALMESYVK HQGLNKNINL DSV DGV PVAS TDRWSEMT EA ERLQENLQAY RTFQGMLTKL LEDQRVHFTP TEGDFHQAIH TLMLQVSAFA YQLEELMLLE QKIPENEADG MPATVGDGGL FEKKLWGLKV LQELSQWTVR SIHDLRVISS HQMGISALES HYGAKDKQMA FAEQTPLTLH RRDLCRSRISW LARKIRSDLT ALMESYVKHQ GLNKNINLDS VDGWASTDR WSEMTEAERL QENLQAYRTF QGMLTKLLED QRVHFTPTEG DFHQAIHTLM LQVSAFAYQL EELMVLEQK IPENEADGMP ATVGDGGLFE KKLWGLKVLQ ELSQWTVRSI HDLRVISSHQ MISALESHYG AKDKQM <i>Result by N-terminal sequencing: AFAEQTPLTL HR</i>
Predicted MW:	22.7 kDa
Purity:	>98% by SDS-PAGE and Silver stain
Buffer:	Presentation State: Purified State: Lyophilized purified protein Buffer System: 5 mM Sodium Acetate, pH 6.5 Stabilizer: None
Bioactivity:	Biological: Measured in a cell proliferation assay using TF1 human erythroleukemic cells [Kitamura T et al, J Cell Physiol 140, 1989). The ED50 for this effect is typically 3 - 15 ng/ml.
Endotoxin:	< 0.1ng/µg of CNTF
Reconstitution Method:	Restore in PBS to a concentration of 0.1 mg/ml. This solution can be diluted water or other buffered solutions or stored at -20°C for future use.
Preparation:	Lyophilized purified protein
Protein Description:	Recombinant Rat Ciliary Neurotrophic Factor. The cDNA for recombinant Rat CNTF (Ala2–Met200) was cloned from total RNA of a Rat embryo using standard protocols.



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_037298
Locus ID:	25707
UniProt ID:	P20294
Cytogenetics:	1q43
Summary:	a cytokine involved in neuronal degeneration and adipocyte gene expression [RGD, Feb 2006]

Product images: