

Recombinant Rat Ciliary Neurotrophic Factor CNTF








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Rev. 1.00

Catalog Number:	PRC7015
Quantity:	25 µg
Lot Number:	See product label.
Size:	22.7 kDa, 199 amino acid residues.
Source:	Recombinant rat CNTF is produced in <i>E. coli</i> and purified by sequential chromatography.
Purity:	≥ 98% pure as determined by SDS–PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ range is 25–35 ng/mL. The biological activity is determined by measuring the dose-dependent proliferation of human TF–1 cells. The optimal concentration should be determined for each specific application. CNTF promotes survival of ciliary neurons and other neurons <i>in vitro</i> .
Formulation:	Lyophilized from a solution containing 5 mM Sodium Acetate, pH 6.5. Sterile filtered prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute recombinant rat CNTF in water to a concentration of 0.1–1.0 mg/mL. <i>Do not vortex</i> . This solution can be stored at 2°C to 8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein, such as 0.1% BSA and store in working aliquots at –20°C to –80°C.
Storage:	The lyophilized protein is stable at room temperature for 1 month, but should be kept at –20°C for long term storage. Working aliquots stored with a carrier protein are stable for at least 12 months at –20°C to –80°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	See product label.
References:	Subramony, P. and S.E. Dryer (1997) Neuregulins stimulate the functional expression of Ca ²⁺ –activated K ⁺ channels in developing chicken parasympathetic neurons. Proc. Nat'l. Acad. Sci. 94:5934–5938.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

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