

# Recombinant Human Cardiotrophin-1








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

Revision Date 06 May 2011

<b>Catalog Number:</b>	PHC1594
<b>Quantity:</b>	10 µg
<b>Lot Number:</b>	See product label.
<b>Molecular Weight:</b>	21.5 kDa, 201 amino acid residues.
<b>Purity:</b>	>98% by SDS PAGE and HPLC analyses.
<b>Biological Activity:</b>	ED <sub>50</sub> ≤1.0 ng/mL (≥1 × 10 <sup>6</sup> units/mg). The biological activity was determined by measuring the dose-dependent proliferation of TF-1 cells. Cardiotrophin-1 is a member of the IL-6 family of cytokines which includes IL-6, Leukemia Inhibitory Factor, Ciliary Neurotrophic Factor, Oncostatin M and Interleukin 11. The receptor for Cardiotrophin-1 is gp130 (CD130). Cardiotrophin-1 was originally identified by its ability to stimulate cardiac hypertrophy. As with all members of the IL-6 family of cytokines, Cardiotrophin-1 induces hepatic expression of acute phase proteins.
<b>Formulation:</b>	Lyophilized from 1x phosphate buffered saline. Sterile filtered prior to lyophilization.
<b>Endotoxin:</b>	<0.1 ng/µg
<b>Production:</b>	Produced in <i>E. coli</i> and purified by sequential chromatography.
<b>Reconstitution Recommendation:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute Cardiotrophin-1 in 20 mM Tris, pH 8.0, to a concentration of 0.1–1.0 mg/mL. Further dilutions should be made in aqueous buffers supplemented with carrier protein, such as 0.1–1.0% BSA.
<b>Suggested Working Dilutions:</b>	The optimal concentration should be determined for each specific application.
<b>Storage:</b>	This lyophilized preparation is stable at 2°C to 8°C, but should be kept at –20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at –20°C. Avoid repeated freeze/thaw cycles.
<b>Expiration Date:</b>	Expires one year from the date of receipt when stored as instructed.

## 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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