

PRODUCT INFORMATION SUMMARY

Human Cardiotrophin-1

Purified Factor	Product Number	HC88892B	10.0 ug
Purified Factor	Product Number	HC88892A	2.0 ug

DESCRIPTION:

Human Cardiotrophin-1 (CT-1) is a cytokine expressed in several tissues, including heart, colon, skeletal muscle, ovary, prostate and fetal lung. CT-1 exerts its effects on cardiomyocytes and certain neuron populations. It signals via the LIF receptor and is related to IL-6. CT-1 can induce cardiac myocyte hypertrophy. Human Cardiotrophin is a 201 aa. protein with 21.5 kDa molecular weight.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug CT-1
Sterile-filtered and lyophilized from PBS

BIOLOGICAL ACTIVITY:

Half-maximal stimulation of human TF-1 cell proliferation is 1.0 ng/mL with specific activity of 1.0×10^6 units/mg.

HANDLING AND STORAGE:

Purified Human CT-1 factor is provided lyophilized. Store lyophilized, at -20° C. **Microcentrifuge** before reconstitution (see below). Upon reconstitution in 50 uL of **20mM Tris, pH 8.0**, further dilute in PBS or other buffered solutions. Store small aliquots at -20 ° C for long-term storage, at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE