Human Leptin

Purified Factor Product Number HC88849 1000 ug

DESCRIPTION:

Human Leptin is a protein involved in apetite control and is product of the ob gene (obese) expressed in adipose tissue and believed to regulate fat storage in the body. Mice with the ob/ob genotype also develop a form of diabetes. Human Leptin is a 16 kDa protein with 146 aa. residues.

SOURCE: E. Coli

Purity > 95% by HPLC analysis

Endotoxin < 0.1 ng per ug Leptin

Sterile-filtered and lyophilized

BIOLOGICAL ACTIVITY:

This human leptin was observed to be biologically active in both the ob/ob and NZO mouse models. Mice treated at dose 5 ug leptin per gram body weight via intrapertoneal injection once daily, revealed significant effects on plasma glucose levels, body weight and food consumption.

HANDLING AND STORAGE:

Purified Human Leptin factor is provided lyophilized. Store lyophilized, at -20^{o} C. Microcentrifuge before reconstitution (see below). Upon reconstitution with **1.0 mL sodium citrate**, pH 4.0 to a concentration of 1 mg/mL, dilute in PBS or other buffered solutions. Store small aliquots at -20^{o} C for long-term storage, at high concentration. Note: Leptin is **not soluable** at concentrations above 2.0 mg/mL.

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