

Mouse Leptin

Purified Factor Product Number RC444034 1000.0 ug

DESCRIPTION:

Mouse Leptin, described as the Anti-Obesity Protein, a protein product of the OB gene in mice, is believed to be involved in appetite control. The gene is expressed in adipose tissue, and mice with this genotype develop a form of non-insulin dependent diabetes. Mouse Leptin has molecular weight of 16 kDa, with 147 aa. residues.

SOURCE: E. Coli

Purity > 95% by HPLC analysis

Endotoxin < 0.1 ng per ug Mouse Leptin

BIOLOGICAL ACTIVITY: Observed to be bioactive in mouse obesity models: **ob/ob and NZO**, Treated with intraperitoneal injection, dose 5 ugleptin/gm body weight, once daily, for 14 days. Significant affect on plasma glucose, and body weight, food consumption observed.

HANDLING AND STORAGE:

Purified Mouse Leptin factor is provided lyophilized from Sodium Citrate buffer, pH 4.0. Store lyophilized, at -20° C. Upon reconstitution with **0.5 mL Sodium Citrate pH 4.0**, further dilute in PBS or other buffered solutions . Store small aliquots at -20° C for long-term storage, at high concentration.

Before opening vial to reconstitute, it is recommended to microcentrifuge vial for 30 seconds - this will help recovery of full contents that may have adhered to surfaces of vial during lyophilization.

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