

ANTIGENIX AMERICA Inc
1-800-558-1008
PRODUCT INFORMATION SUMMARY

Rat Leptin

Purified Factor	Product Number	RC333130B	1000.0 ug
		RC333130A	200.0 ug

DESCRIPTION:

Rat 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. Rat Leptin has molecular weight of 16.2 kDa, with 147 aa. residues.

SOURCE:

E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug Rat Leptin

BIOLOGICAL ACTIVITY: In Vivo assay, using ob/ob mouse model and NZO strains. Both mouse strains treated intraperitoneal injection, once daily for 7 days with 5ug recombinant Leptin per gram body weight. **Significant effect observed on plasma glucose levels, body weight, and food consumption observed** as compared with saline-only treated controls.

HANDLING AND STORAGE:

Purified Rat Leptin factor is provided lyophilized from 0.1% TFA. Store lyophilized, at -20° C. Upon reconstitution with 1.0 mL distilled (or sterile) water, 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