

Recombinant Rat Leptin
Catalog # PBG10270**Specification**

Recombinant Rat Leptin - Product Information**Recombinant Rat Leptin - Additional Information****Description**

Encoded by the ob (obese) gene, Leptin is an adipose-derived cytokine that suppresses appetite and increases thermogenesis. Leptin exerts its anorectic effect via signaling through a hypothalamic receptor termed OB-R. Leptin has been shown to reduce body weight, food consumption, and plasma glucose levels in various in vivo models. Recombinant Rat Leptin is a 16.2 kDa protein containing 147 amino acid residues.

Biological Activity

Determined by an in vivo assay using the ob/ob M obesity model and NZO. Both strains of mice were treated via intraperitoneal injection once daily at a dose of 5 µg leptin/gm of body weight for 7 days. Significant effects on body weight, food consumption, and plasma glucose levels were observed to saline-treated controls.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Rat Leptin is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Rat Leptin - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Recombinant Rat Leptin - Images