

**Recombinant Murine Leptin**  
**Catalog # PBG10269****Specification**

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**Recombinant Murine Leptin - Product Information****Recombinant Murine 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 murine Leptin is a 16.2 kDa protein containing 147 amino acid residues.

**Biological Activity**

PeproTech's murine Leptin has been shown to be biologically active in two different M obesity models, *ob/ob* 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 14 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 Murine Leptin is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Murine 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 Murine Leptin - Images**