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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.

BiologicalActivity
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 Cytomety

- Cell Culture

Recombinant Rat Leptin - Images