

Recombinant Human Leptin

Catalog # PBG10268

Specification

Recombinant Human Leptin - Product Information

Recombinant Human 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 human Leptin is a 16.0 kDa protein containing 147 amino acid residues.

BiologicalActivity

PeproTech's human Leptin is biologically active in the ob/ob M obesity model. The ob/ob mice were treated via intraperitoneal injection once daily at a dose of 5 μ g 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 $<0.1 \text{ ng}/\mu\text{g}$ of protein ($<1\text{EU}/\mu\text{g}$).

Protein Content

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

Storage

-20°C

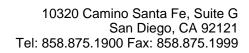
Precautions

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

Recombinant Human 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





• <u>Cell Culture</u> Recombinant Human Leptin - Images