

32-20265: Recombinant Human Leptin(Discontinued)

Reactivity : Chicken, Human, Monkey, Mouse, Rat

Alternative Name : Obesity protein (OB)

Description

Source:E.coli

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.

Product Info

Amount : 200 µg / 1mg

Purification : Purity: $\geq 98\%$ by SDS-PAGE gel and HPLC analyses.

Content : This recombinant protein is supplied in lyophilized form.

Amino Acid : MVPIQKVQDD TKTLIKTIVT RINDISHTQS VSSKQKVTGL DFIPGLHPIL TLSKMDQTLA VYQQILTSMP
SRNVIQISND LENLRDLLHV LAFSKSCHLP WASGLETLDL LGGVLEASGY STEVVALSRL QGSLQDMLWQ
LDLSPGC

Application Note

The Human Leptin is biologically active in the Δ^f ob/obmouse obesity model. The Δ^f ob/obmice 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 compared to saline-treated controls.