

## 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: >= 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 WASGLETLDS LGGVLEASGY STEVVALSRL QGSLQDMLWQ  
LDLSPGC

### Application Note

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