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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 theÃ‚Â ob/obmouse obesity model. TheÃ‚Â ob/obmice were treated via intraperitoneal injection once daily at a dose of 5 Ã‚Âµg 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.