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32-20511: Recombinant Rat Leptin(Discontinued)

Reactivity : 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 Rat Leptin is a 16.2 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 : MVPIHKVQDD TKTLIKTIVT RINDISHTQS VSARQRVTGL DFIPGLHPIL SLSKMDQTLA VYQQILTSLP SQNVLQIAHD LENLRDLLHL LAFSKSCSLP QTRGLQKPES LDGVLEASLY STEVVALSRL QGSLQDILQQ LDLSPEC

Application Note

Determined by anÃ□Â in vivoÃ□Â assay using the ob/ob mouse obesity model and NZO. Both strains of mice were treated via intraperitoneal injection once daily at a dose of 5Ã□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.

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