

32-20267: Recombinant Murine Leptin(Discontinued)

Reactivity : Human, Monkey, Mouse, Pig, 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 Murine 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 : MVPIQKVQDD TKTLIKTIVT RINDISHTQS VSAQRVTGL DFIPGLHPIL SLSKMDQTLA VYQQVLTSPL
SQNVLQIAND LENLRDLLHL LAFSKSCSLP QTSGLQKPES LDGVLEASLY STEVVALSRL QGSLQDILQQ
LDVSPEC

Application Note

The Murine Leptin has been shown to be biologically active in two different mouse obesity models, ob/ob and NZO. Both strains of mice 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 to saline-treated controls.