

Recombinant Mouse Lep Protein, His/S-tagged

Cat. No. Lep-17M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	E.coli
Description	Leptin, the product of the ob (obese) gene, is a 16kD protein consisting of 146 amino acid residues. Leptin is produced in the adipose tissue, and is considered to play an important role in appetite control, fat metabolism and regulation of body weight. It targets the central nervous system, particularly hypothalamus, affecting food intake. Leptin levels are high in most obese individuals. Studies have shown that it may also influence reproductive function.
Form	Lyophilized from sterile PBS, pH 7.4
Purity	>95% by SDS-PAGE
Storage	Store at -70 centigrade or below. Avoid freeze/thaw.

GENE INFORMATION

Gene Name	Lep leptin [<i>Mus musculus</i>]
Official Symbol	Lep
Synonyms	LEP; leptin; obesity factor; ob; obese;

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Gene ID	16846
mRNA Refseq	NM_008493
Protein Refseq	NP_032519
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem;
Function	growth factor activity; hormone activity; peptide hormone receptor binding; protein binding;

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