

## Recombinant Mouse Lep Protein, His/S-tagged

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

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage</b>	Store at -70 centigrade or below. Avoid freeze/thaw.

### GENE INFORMATION

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

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<b>Gene ID</b>	16846
<b>mRNA Refseq</b>	NM_008493
<b>Protein Refseq</b>	NP_032519
<b>Pathway</b>	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;
<b>Function</b>	growth factor activity; hormone activity; peptide hormone receptor binding; protein binding;

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