

Recombinant Murine Leptin

CATALOG #:	4367-1 (Liquid Form)
AMOUNT:	1 mg
LOT #:	_____
SOURCE:	<i>E. coli</i>
PURITY:	>95% by SDS-PAGE Endotoxin level is <0.1 ng per µg of Leptin.
MOL. WEIGHT:	16.0 kDa
FORM:	1 mg/ml in 10 mM NaCl, pH 5.2

STORAGE CONDITIONS:

Stored at -20°C or lower. If precipitation occurs, centrifuge briefly to remove insolubles. The active form of leptin should be in solution.

DESCRIPTION:

Leptin (Anti-Obesity Protein) is the protein product of the *ob* (obese) gene in mice and seems to be involved in appetite control. The *ob* gene is expressed in adipose tissue and is thought to regulate the body's fat stores. Mice with the *ob/ob* genotype also develop a form of diabetes similar to type II (non-insulin dependent) diabetes. Murine Leptin is a 16 kDa protein containing 147 amino acid residues.

BIOLOGICAL ACTIVITY:

BioVision's 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 14 days. Significant effects on body weight, food consumption, and plasma glucose levels were observed to saline-treated controls.

USAGE: For Research Purpose Only. Not to be used in human.

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- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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