

Recombinant Human Leptin (LEP)

Cat No:HR2R1667

For research use only

Overview

Quantity	200 µg
Gene Symbol	LEP
Gene ID	3952
Accession	P41159
Alternative Name	OB, Obese protein, Obesity factor
Species	Human
Source	E. coli
Description	Leptin is a cytokine found in the adipose tissue of animals (Leptin mRNA is restricted to the adipose tissue). Leptin has been shown to suppress appetite, increase thermogenesis and reduce body weight, food consumption and plasma glucose levels.
Functions	The ED(50) was determined by the dose-dependent proliferation of human umbilical vein endothelial cells and was found to be 0.5ng/mL.
Formulation	Lyophilized from a 0.2 µm filtered solution in Tris-HCl and NaCl.
Solubility	Reconstitute at 1 mg/mL in sterile 20 mM Tris-HCl (pH 8.0).
Appearance	Lyophilized Powder
Molecular Weight	16.4
Purity	>95% as determined by SDS-PAGE
Concentration	<math><1.0\text{ EU}/\mu\text{g}</math> of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.