

Active Recombinant Human LEP protein, Biotinylated

Cat. No. LEP-202H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human LEP protein(NP_000221.1) (Val 22-Cys 167) was expressed in E.coli, with an additional Met.
Species	Human
Source	E.coli
ProteinLength	22-167 aa
Conjugation/Label	Biotin
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized Recombinant Human Leptin Protein, Biotinylated at 2 µg/mL (100 µL/well) can bind Recombinant Human Leptin Receptor / LEPR / CD295 Protein (His & Fc Tag), the EC50 is 45-135 ng/mL.
Molecular Mass	The recombinant human leptin consists of 147 amino acids and predicts a molecular mass of 16.16 kDa. The apparent molecular mass of rhLEP is approximately 14.5 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	≥ 90 % as determined by SDS-PAGE.

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name LEP leptin [Homo sapiens]

Official Symbol LEP

Synonyms LEP; leptin; leptin (murine obesity homolog) , leptin (obesity homolog, mouse) , OB, OBS; obese protein; obesity factor; obese, mouse, homolog of; leptin (murine obesity homolog); leptin (obesity homolog, mouse); OB; OBS; FLJ94114;

Gene ID 3952

mRNA Refseq NM_000230

Protein Refseq NP_000221

UniProt ID P41159

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