

Active Recombinant Human LEP protein

Cat. No. LEP-641H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human LEP protein(P41159) was expressed in E. coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 50 mm PB, pH 3.5, with 0.02 % Tween-20.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a chemotaxis bioassay using human Leptin R transfected BaF3 murine proB cells is less than 2 ng/ml, corresponding to a specific activity of > 5.0 × 10 ⁵ IU/mg.
Molecular Mass	Approximately 16.0 kDa, a single non-glycosylated polypeptide chain containing 146 amino acids.
AASequence	VPIQKVQDDT KTLIKTIVTR INDISHTQSV SSKQKVTGLD FIPGLHPILT LSKMDQTLAV YQQILTSMPs RNVIQISNDL ENLRDLLHVL AFSKSchLPW ASGLETLDSL GGVLEASGYS TEVVALSRLQ GSLQDMLWQL DLSPGC
Endotoxin	Less than 1 EU/µg of rHuLeptin as determined by LAL method.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months

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from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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](#)

SDS-PAGE

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