

# Rat Leptin Recombinant Protein



RPPB0708

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## Product Information   Protein Information

**Product SKU:**

RPPB0708

**Accession:**

P50596

**Host:**

Escherichia Coli.

**Protein description:**

Leptin Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 147 amino acids and having a molecular mass of 16 kDa. The Leptin is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

OB Protein, Obesity Protein, OBS, Obesity factor.

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO<sub>3</sub>.

**Purity:**

Greater than 95.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Leptin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Leptin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Leptin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-His.

**Biological Activity:**

Biological activity of Leptin Rat is evidenced by inducing proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor.