

# Leptin Protein Recombinant Protein



RPPB0702

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## Product Information    Protein Information

**Product SKU:**

RPPB0702

**Accession:**

P41159

**Host:**

Escherichia Coli.

**Protein description:**

Leptin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 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:**

The lyophilized Leptin is very soluble in water and most aqueous buffers below and above the isoelectric point.

**Stability:**

Lyophilized Leptin although stable at room temperature, should be stored desiccated below 0°C. Reconstituted Leptin is best stored refrigerated at 4°C.

**Amino Acid Sequence:**

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

**Biological Activity:**

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