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Recombinant Human Leptin

Catalog No.	CRH315A CRH315B CRH315C	**Quantity:**	200 µg 1mg 5 mg

Alternate Names: Obesity protein

Description: Leptin is a hormone that is produced by adipose tissue and plays critical roles in the physiologic regulation of body weight. Leptin acts through the leptin receptor (LEPR) to regulate adipose mass by inhibiting hunger and balancing energy usage. Leptin mutations cause severe hereditary obesity and hypogonadism in rodents and humans. Leptin also has thermogenic actions, regulates enzymes of fatty acid oxidation, and is involved in hematopoiesis, angiogenesis, wound healing, inflammation, and immune responses.

Protein Accession No: Q6NT58

Source: *E. coli*

Molecular Weight: Monomer, 16.2 kDa (147 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤1 EU/µg by kinetic LAL analysis

Biological Activity: bioactive, however; no acceptance criteria established

Amino Acid Sequence: MVPIQKVQDD TKTLIKTIVT RINDISHTQS VSSKQKVTGL DFIPGLHPIL TLSKMDQTLA VYQQILTSMP SRNVIQISND LENLRDLLHV LAFSKSCHLP WASGLETLDS LGGVLEASGY STEVVALSRL QGSLQDMLWQ LDLSPGC

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: **Upon receipt**, store desiccated at -20 °C for up to 1 year**. Upon reconstitution**, the preparation is stable for up to one month at 2-8 °C. **For long term storage** reconstitute in working aliquots containing 0.1% BSA and store at -80 °C. **Avoid repeated freeze-thaw cycles.**

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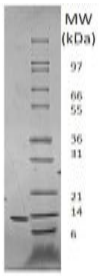

Human Letpin Gel
Figure: 1 ug was run under non-reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human Leptin has a predicted MW of 16.2 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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