

## LEP

### Leptin, Ovine Recombinant

<b>Catalog No.</b>	CRL303A	<b>Quantity:</b>	20 µg
	CRL303B		100 µg
	CRL303C		1 mg

**Alternate Names:** OB Protein, Obesity Protein, OBS, Obesity Factor

**Description:** Recombinant Ovine Leptin is a single, non-glycosylated polypeptide chain containing 146 amino acids. It is a peptide hormone secreted from white adipocytes and implicated in the regulation of food intake and energy balance. Leptin provides the key afferent signal from fat cells in the feedback system that controls body fat stores.

**GeneID:** 443534

**UniProtKB:** Q28603

**Source:** *E. coli*

**Molecular Weight:** 16 kDa

**Formulation:** Lyophilized from a sterile filtered, concentrated (1 mg/mL) solution containing 4.5 µM NaHCO<sub>3</sub>.

**Purity:** >95.0% as determined by RP-HPLC and SDS-PAGE

**Biological Activity:** Biologically active was assessed by induction of proliferation of BAF/3 cells that were stably transfected with the long form of human leptin receptor.

**Amino Acid Sequence:** The sequence of the first five N-terminal amino acids is Ala-Val-Pro-Ile-Arg.

**Reconstitution:** **Centrifuge vial prior to opening.** Reconstitute with sterile water to a concentration not less than 100 µg/mL. Once fully solubilized, the product can be further diluted to other aqueous solutions.

**Storage & Stability:** Store desiccated at -20 °C. Upon reconstitution, store at 4 °C for up to 1 week. For long term storage, add a carrier protein (0.1% HSA or BSA) and store in working aliquots at -20 °C to -80 °C. **Avoid repeated freeze-thaw cycles.**

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

