

# Leptin, Bovine Recombinant

**CATALOG NO:** P1594-20 20 µg  
P1594-100 100 µg

**ALTERNATE NAMES:** OB Protein, Obesity Protein, OBS, Obesity factor.

**MOL. WT.** 16 kDa.

**SOURCE:** *E. coli*

**PURITY:** 95% SDS - PAGE

**FORM:** Lyophilized

**FORMULATION:** Lyophilized from a concentrated (1mg/ml) solution with 0.0045 mM NaHCO<sub>3</sub>.

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

**SPECIFIC ACTIVITY:** Biological active as evidenced by inducing proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor.

**STORAGE CONDITIONS:** Store at -20°C. Once reconstituted store at 4°C for short-term (2-7 days) and for future use below -20°C. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.

**DESCRIPTION:** A 16-kDa 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

**AMINO ACID SEQUENCE:** Protein has 146 amino acids. The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Arg.

## RELATED PRODUCTS:

- Leptin Receptor, human recombinant (4582)
- Leptin, murine recombinant (4367)
- Leptin, rat recombinant (4368)
- Leptin, human recombinant (4366)

***FOR RESEARCH USE ONLY! Not to be used on humans.***