

Ovine Leptin Recombinant Protein



RPPB0711

Product Information Protein Information

Product SKU:

RPPB0711

Accession:

Q28603

Host:

Escherichia Coli.

Protein description:

Leptin Ovine MTS tagged Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 157 amino acids and having a molecular mass of 17.5 kDa. The Leptin is purified by proprietary chromatographic techniques. The membrane translocating sequence Tag is composed of 10 amino acids Val-Leu-Leu-Pro-Val-Leu-Leu-Ala-Ala-Pro located at the N-terminus.

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 0.02% NaHCO₃.

Purity:

Greater than 98.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Leptin in sterile 0.02% NaHCO₃ not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Leptin Ovine MTS tagged 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-Arg.

Biological Activity:

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