

Leptin Porcine Recombinant

Item Number	rAP-2348
Synonyms	OB Protein, Obesity Protein, OBS, Obesity factor.
Description	Leptin Porcine Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 146 amino acids and additional Ala at N-terminus, having a molecular mass of 16kDa. The Leptin is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q29406
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Pro-Ile-Trp.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Leptin 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.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.02% NaHCO ₃ . Greater than 98.0% as determined by: (a) Gel filtration analysis. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized recombinant porcine leptin in sterile 0.4% NaHCO ₃ adjusted, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Biological active as evidenced by inducing proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**