

## Pegylated Rat Leptin Recombinant

<b>Item Number</b>	rAP-2359
<b>Synonyms</b>	OB Protein, Obesity Protein, OBS, Obesity factor.
<b>Description</b>	Mono-Pegylated Leptin Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 147 amino acids and an additional Ala at N-terminus having a molecular mass of 35.6 kDa (with 20 kDa PEG) as determined by mass spectrometry. However due to enlarged hydrodynamic volume it
<b>Uniprot Accession Number</b>	P50596
<b>Amino Acid Sequence</b>	
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Rat Leptin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Rat 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.
<b>Formulation and Purity</b>	The protein was lyophilized from a concentrated (0.65mg/ml) solution with 0.003mM NaHCO <sub>3</sub> . Greater than 99.0% as determined by:(a) Analysis by Gel-Filtration.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized pegylated Rat Leptin in sterile 0.4% NaHCO <sub>3</sub> adjusted to pH-8.5, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	Pegylated Rat Leptin is capable of stimulating proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor. Its in vitro activity is only slightly lower than the non-pegylated antagonist but in vivo it has profound weight re
<b>Shipping Format and Condition</b>	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**