

LEP

Recombinant Porcine Leptin

Catalog No.	CRL310A CRL310B CRL310C	Quantity:	20 µg 100 µg 1 mg
Alternate Names:	Leptin, Obesity Factor		
Description:	Recombinant Porcine Leptin is a single, non-glycosylated 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.		
UniProt ID:	Q29406		
Gene ID:	396832		
Source:	<i>E. coli</i>		
Molecular Weight:	16 kDa (146 aa, with additional Ala at N-terminus)		
Formulation:	Lyophilized from a sterile filtered, concentrated (1 mg/mL) solution containing 0.02% NaHCO ₃ .		
Purity:	>98 % as determined by RP-HPLC and SEC		
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.		
N-terminal Sequence:	Ala-Val-Pro-Ile-Trp		
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 with aqueous solutions.		
Storage & Stability:	Upon receipt store at -20 °C to -80°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.