
Product Data Sheet

Product Name: Leptin Human
Cat. No.: GP20686
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	OB Protein; Obesity Protein; OBS; Obesity factor; Leptin.		
Amino Acid Sequence	Val-Pro-Ile-Gln-Lys-Val-Gln-Asp-Asp-Thr-Lys-Thr-Leu-Ile-Lys-Thr-Ile-Val-Thr-Arg-Ile-Asn-Asp-Ile-Ser-His-Thr-Gln-Ser-Val-Ser-Ser-Lys-Gln-Lys.		
Solubility	The lyophilized Leptin is very soluble in water and most aqueous buffers below and above the isoelectric point.		
Formulation	The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.		

Introduction

A 16kDa 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.

Stability

Lyophilized Leptin although stable at room temperature, should be stored desiccated below -20°C . Reconstituted Leptin is best stored refrigerated at 4°C .

Background

Leptin Human produced synthetically contains 35 amino acids (22-56 a.a.) having a molecular mass of 3950.6 Dalton.

Caution: Product has not been fully validated for medical applications. For research use only.

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