



Leptin, human (fragment 22-56)

Catalog No: 97297
Lot No: XXXXX
Source: Synthetic
Synonyms: OB Protein, Obesity Protein, OBS, Obesity factor, Leptin

Background

A 16 kDa 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.

Description

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

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a concentrated (1 mg/ml) solution with no additives.

Solubility

The lyophilized Leptin is very soluble in water and most aqueous buffers below and above the isoelectric point.

Stability

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

Purity

Greater than 95.0% as determined by RP-HPLC.

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.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

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