

## 32-1551: Human Leptin

**Alternative Name :** OB Protein, Obesity Protein, OBS, Obesity factor, Leptin.

### Description

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

### Product Info

<b>Amount :</b>	1mg
<b>Purification :</b>	Greater than 95.0% as determined by RP-HPLC.
<b>Content :</b>	The protein was lyophilized from a concentrated (1mg/ml) solution with no additives.
<b>Storage condition :</b>	Lyophilized Leptin although stable at room temperature, should be stored desiccated below -20°C. Reconstituted Leptin is best stored refrigerated at 4°C.
<b>Amino Acid :</b>	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.

### Application Note

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