



Product Datasheet

Product Name	Leptin Receptor Chicken Recombinant
Cata No	CB500411
Source	<i>Escherichia Coli.</i>
Synonyms	OB Protein, Obesity Protein, OBS, Obesity factor, Leptin Receptor.

Description

Leptin Binding Domain Chicken Recombinant also called Leptin Receptor produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 208 amino acids and having a molecular mass of 24.5 kDa. Chicken Leptin Receptor consists of the cytokine binding domain of leptin receptor amino acids 420-626 of chicken leptin receptor. The Leptin Binding Domain is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity

Biological Activity is evidenced by high affinity binding of mammalian leptins at 1:1 molar ratio.

Purity

Greater than 99.0% as determined by:
(a) Analysis by RP-HPLC.

(b) Analysis by SDS-PAGE.

Formulation

The protein was lyophilized from a concentrated (0.2 to 0.5 mg/ml) solution of Tris-HCl buffer, pH 9.0 with 150mM NaCl and 10-fold (w/w) excess of glycine.

Stability

Leptin Receptor Chicken should be stored desiccated below -18°C. Upon reconstitution at > 0.1 Leptin Receptor Chicken mg/ml and up to 40.5 mg/ml mM and filter sterilization chLBD can be stored at 4°C for several months. Sterile solutions at 0.5 mg/ml or less are stable at +4°C for several months.

Please prevent freeze-thaw cycles.

Sequence

The sequence of the first six N-terminal amino acids was determined and was found to be Ala-Ile-Asp-Val-Asn-Ile