



Leptin Binding Domain, chicken recombinant (rchLeptin-BD)

Catalog No: 95041
Lot No: XXXXX
Source: *E. coli*
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 colorless solution.

Formulation

The protein was filter sterilized and stored at 4°C (0.2 to 0.5 mg/ml) solution of Tris-HCl buffer, pH 9.0 with 150 mM NaCl.

Stability

Sterile solutions at 0.5 mg/ml or less are stable at 4°C for several months.

Purity

Greater than 99.0% as determined by (a) Analysis by SEC-HPLC, (b) Analysis by SDS-PAGE.

Amino Acid Sequence

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

Activity

Biological activity was proven by high affinity binding of mammalian leptins at 1:1 molar ratio.

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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