

Recombinant Chicken LEPR Leptin Receptor

Cat. No.: AP1C348

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 200 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Chicken LEPR Leptin Receptor is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 130.0 kDa. The purity is >99% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Chicken
Expression System	<i>E.coli</i>
Purity	>99% (SDS-PAGE)
Predicted Molecular Weight	130.0 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.

Target Information

In chickens, LEPR (Leptin Receptor) is mainly involved in regulating appetite, energy metabolism, and ovarian follicle development. It activates the JAK-STAT3 signaling pathway by binding to Leptin, affecting the expression of appetite-regulating genes, thereby regulating feed intake. In addition, the expression of LEPR in the ovary is related to follicle development and egg-laying performance, and its signal transduction can inhibit the excessive development of ovarian follicles.

Protein	Chicken LEPR Leptin Receptor
Protein Synonym	Leptin receptor
Gene ID	374223
UniProt ID	Q9IBA7

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.