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Leptin Receptor Chicken

Leptin Receptor Chicken Recombinant
GRF0216

Product Overview

Name	Leptin Receptor Chicken

Description

Leptin Receptor Chicken Recombinant

Synonyms

OB Protein, Obesity Protein, OBS, Obesity factor, Leptin Receptor.

Introduction

Leptin Receptor is a part of the gp130 family of cytokine receptors that stimulate gene transcription by activating cytosolic STAT proteins. Leptin Receptor plays a role in the regulation of fat metabolism and in novel hematopoietic pathway that is obligatory for normal lymphopoiesis. Leptin Receptorparticipates in the regulation of counter-regulatory response to hypoglycemia by inhibiting neurons of the parabrachial nucleus.Leptin Receptoraffectsspecifically on T lymphocyte responses.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution at a concentration of 0.4 mg/ml.

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 150mM NaCl.

Stability

Sterile solutions at 0.5mg/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 Biological ActivityBiological Activity is evidenced by high affinity binding of mammalian leptins at 1:1 molar ratio.

Protein content

Protein quantitation was carried out by two independent methods 1. UV spectroscopy at 280 nm using the absorbency value of 2.45 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE

computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of Leptin Binding Domain as a Reference Standard.

Precautions

Leptin Receptor Chicken is for research use only and not for use in diagnostic or therapeutic procedures.