
Product Data Sheet

Product Name: Leptin Receptor Chicken
 Cat. No.: GP20717
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	OB Protein; Obesity Protein; OBS; Obesity factor; Leptin Receptor.		
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 Activity: Biological Activity is evidenced by high affinity binding of mammalian leptins at 1:1 molar ratio.		
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.		

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 Receptor participates in the regulation of counter-regulatory response to hypoglycemia by inhibiting neurons of the parabrachial nucleus. Leptin Receptor affects specifically on T lymphocyte responses.

Stability

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

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA