9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Resistin Mouse, Flag

Resistin Mouse Recombinant, Flag Tag
CYK0511

Product Overview

Name	Resistin Mouse, Flag

Description

Resistin Mouse Recombinant, Flag Tag

Accession (Primary)	Q99P87

Synonyms

Cysteine-rich secreted protein FIZZ3, Adipose tissue-specific secretory factor, ADSF, C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein, Cysteine-rich secreted protein A12-alpha-like 2, RSTN, XCP1, RETN1, MGC126603, MGC126609.

Introduction

Resistin, a product of the RSTN gene, is a peptide hormone belonging to the class of cysteine-rich secreted proteins which is termed the RELM family, and is also described as ADSF (Adipose Tissue- Specific Secretory Factor) and FIZZ3 (Found in Inflammatory Zone). Human resistin contains 108 amino acids as a prepeptide, and its hydrofobic signal peptide is cleaved before its secretion. Resistin circulates in human blood as a dimeric protein consisting of two 92 amino acid polypeptides, which are disulfide-linked via Cys26. Resistin may be an important link between obesity resistance. Mouse resistin, specifically produced and secreted by adipocyte, acts on skeletal muscle myocytes, hepatocytes and adipocytes themselves so that it reduces their sensitivity. They have also suggested that resistin is present at elevated levels in blood of obese mice, and is down regulated by fasting and antidiabetic drugs. Way et al., on the other hand, have found that resistin expression is severly suppressed in obesity and is stimulated by several antidiabetic drugs. Other studies have shown that mouse resistin increases during the differentiation of adipocytes, but it also seems to inhibit adipogenesis. In contrast, the human adipogenic differentiation is likely to be associated with a down regulation of resistin gene expression.

Source

Escherichia Coli.

Physical Appearance

Filtered White lyophilized (freeze-dried) powder.

Formulation

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

Stability

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino acid sequence

MKKLLFAIPL VVPFYSHSTM ASMPLCPIDE AIDKKIKQDF NSLFPNAIKN IGLNCWTVSS RGKLASCPEG TAVLSCSCGS ACGSWDIREE KVCHCQCARI DWTAARCCKL QVAS LEDYKD DDDK.

Solubility

It is recommended to add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Precautions

Resistin Mouse, Flag is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99P87)