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Resistin Mouse

Resistin Mouse Recombinant
CYK0510

Product Overview

Name	Resistin Mouse
Description	
Resistin Mouse Recombinant	
Accession (Primary)	Q9HD89
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 and insulin resistance. Mouse resistin, specifically produced and secreted by adipocyte, acts on skeletal muscle myocytes, hepatocytes and adipocytes themselves so that it reduces their sensitivity to insulin. Steppan et al. have suggested that resistin suppresses the ability of insulin to stimulate glucose uptake. 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	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a sterile filtered solution containing 0.1 % trifluoroacetic acid (TFA).	

Stability

Lyophilized Resistin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Resistin Mouse should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MSSMPLCPID EAIDKKIKQD FNSLFPNAIK NIGLNCWTVS SRGKLASCPE GTAVLSCSCG SACGSWDIRE EKVCHCQCAR IDWTAARCCK LQVAS.

Solubility

It is recommended to reconstitute the lyophilized Resistin in sterile 18MΩ-cm H 2 O at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (Q9HD89)