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Resistin Rat

Resistin Rat Recombinant
CYK0513

Product Overview

Name	Resistin Rat
Description	
Resistin Rat Recombinant	
Accession (Primary)	Q8K4J7
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 belongs to the class of cysteine-rich secreted proteins (monomeric peptide contains 11 cysteine residues) referred to as the RELM family, and is also described as ADSF (Adipose Tissue-Specific Secretory Factor) or FIZZ3 (Found in Inflammatory Zone 3). Resistin may be an important link between obesity. Mouse resistin, specifically produced and secreted by adipocyte, acts on skeletal muscle myocytes, hepatocytes and adipocytes themselves so that it reduces their sensitivity. Steppan et al. have suggested that resistin suppressed the ability to stimulate glucose uptake. They have also suggested that resistin was present at elevated levels in blood of obese mice, and was down regulated by fasting and by antidiabetic drugs. Way et al., on the other hand, have found that resistin expression is severely suppressed in obesity. 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 0.2 μm filtered concentrated solution in PBS, pH7.4 and 0.02 % Tween-20.	
Stability	
Lyophilized Resistin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Resistin should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent	

freeze-thaw cycles .

Purity

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

MPSMSLCPMD EAISKKINQD FSSLLPAAMK NTVLHCWSVS SRGRLASCPE GTTVTSCSCG SGCGSWDVRE DTMCHCQCGS IDWTAARCCT LRVGS.

Solubility

It is recommended to reconstitute the lyophilized Resistin in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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

Target Information: (Q8K4J7)