

32-6546: Resistin Rat

Alternative Name : 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.

Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

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.

Resistin Rat Recombinant produced in E.Coli is disulfide-linked homodimer consisting of 2x95 amino acid polypeptide chains and having a molecular mass of approximately 20.2kDa. Resistin is purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 25 µg

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

Content : Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4 and 0.02 % Tween-20. It is recommended to reconstitute the lyophilized Resistin in sterile PBS not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage condition : 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.

Amino Acid : MPSMSLCPMD EAISKKINQD FSSLLPAAMK NTVLHCWSVS SRGLASCPE GTTVTSCSCG
SGCGSWDVRE DTMCHCQCGS IDWTAARCCT LRVGS.