

Recombinant Mouse Resistin, FLAG-tagged

Cat. No. Retn-197M Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant mouse resistin encoding the mature peptide (aa 21~114) of resistin was tagged with a FLAG peptide at the N-terminus. The tagged protein was expressed in a human embryonic kidney cell line, *HEK293*, and purified from conditioned media.

Species Mouse

Source HEK293

ProteinLength 21-114 a.a.

Description 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 severely 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.

Formulation 0.2 m filtered solution in phosphate buffered saline, pH 7.2.

Purity >95%, as determined by SDS-PAGE.

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Endotoxin Level <0.1EU/g, as determined by the LAL method.

Stability Storage And Handling The protein solution should be stored in working aliquots at -20°C for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name Retn resistin [*Mus musculus*]

Synonyms Retn; resistin; ADSF; Rstn; Xcp4; Fizz3; found in inflammatory zone 3; adipocyte-specific secretory factor; rstn

Gene ID 57264

mRNA Refseq NM_022984

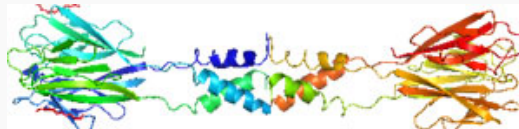
Protein Refseq NP_075360

UniProt ID Q99P87

Chromosome Location 8 A1; 8 0.37 cM

Function hormone activity

Resistin



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