Recombinant Mouse Resistin, FLAG-tagged

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

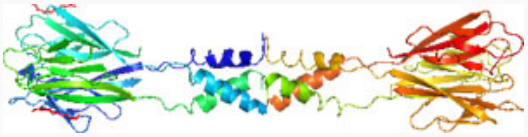
SPECIFICATION

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 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.
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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