

## Recombinant Rat Resistin, FLAG-tagged

**Cat. No.** Retn-198R    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Recombinant rat resistin encoding the mature peptide (aa 19~114) 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**                      Rat

**Source**                        HEK293

**ProteinLength**              19-114 a.a.

**Description**                Resistin, a product of the RSTN gene, is a peptide hormone belonging 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). Mouse resistin is expressed as a 114 amino acid prepeptide; its hydrophobic Nterminal 20 amino acid signal peptide is cleaved before its secretion. Mouse resistin circulates in blood as a homodimeric protein consisting of two 94 amino acid polypeptides, which are disulfide-linked via Cys26. Resistin may be an important link between obesity and insulin resistance.

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

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

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

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**Stability Storage And Handling**

Centrifuge the vial before opening to recover entire contents of the vial. Due to possible sublimation during storage, the buffer volume may decrease over time, however, the product is sold by mass and the amount of protein will remain constant.

**GENE INFORMATION**

**Gene Name** Retn resistin [ *Rattus norvegicus* ]

**Synonyms** Retn; resistin

**Gene ID** 246250

**mRNA Refseq** NM\_144741

**Protein Refseq** NP\_653342

**Chromosome Location** 12p12

**Function** hormone activity

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