

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, <i>HEK293</i> , and purified from conditioned media.
Species	Rat
Source	HEK293
Protein Length	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 N-terminal 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [<i>Rattus norvegicus</i>]
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Synonyms	Retn; resistin
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Gene ID	246250
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mRNA Refseq	NM_144741
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Protein Refseq	NP_653342
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Chromosome Location	12p12
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Function	hormone activity
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