

## Resistin Recombinant Protein | Retn recombinant protein

Recombinant Mouse Resistin

CATALOG #  
**AAA38216**

HOST  
**E Coli**

### PRODUCT SYNONYMS

Resistin; Recombinant Mouse Resistin; Resistin Mouse; Resistin Mouse Recombinant; 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; mResistin; Retn recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification     | Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format             | Filtered (0.4 um) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.<br>Filtered White lyophilized (freeze-dried) powder.                                                                                                                                                                                                                                                                                                                                                    |
| Sequence                | MKKLLFA IPLVVPFYSH STMASM PLCPIDEAID KKI KQDFNSL FPNAIKNI GL NCWTVSSRGK LASCPEGTAV<br>LSCSCGSACG SWDIREEKVC HCQCARIDWT AARCCKLQVA <u>SLEDYKD DDDK</u> .                                                                                                                                                                                                                                                                                                                                |
| Sequence Length         | 114                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Solubility              | It is recommended to add 0.1M Acetate buffer pH4 to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10ug/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture. |
| Preparation and Storage | Store lyophilized protein at -20 degree C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4 degree C for a limited period of time; it does not show any change after two weeks at 4 degree C.                                                                                                                                                                                                              |

### ADDITIONAL INFORMATION

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| Related Product Information for Retn recombinant protein | <p><b>Description:</b> Resistin Mouse is manufactured with signal sequence of phage fd (21aa) and C-terminal fusion of DYKDDDDK-tag (10aa). Resistin Mouse Recombinant DYKDDDDK-tagged Fusion Protein is 13.7 kDa protein containing 93 amino acid residues of the Resistin Mouse and 31 additional amino acid residues - signal sequence of phage fd, DYKDDDDK-tag (underlined).</p> <p><b>Introduction:</b> Resistin, a product of the RSTN gene, is a peptide hormone belonging to the class of cysteine-rich secreted proteins which is termed the RELM family, and is also described as ADSF (Adipose Tissue- Specific Secretory Factor) and FIZZ3 (Found in Inflammatory Zone). Human resistin contains 108 amino acids as a prepeptide, and its hydrophobic signal peptide is cleaved before its secretion. Resistin circulates in human blood as a dimeric protein consisting of two 92 amino acid polypeptides, which are disulfide-linked via Cys26. Resistin may be an important link between obesity and insulin resistance. 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.</p> |
| Product Categories/Family for Retn recombinant protein   | Cytokines and Growth Factors; Cytokines; Resistin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 326368221                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 57264                                                                                                                                                                                                                                      |
| NCBI Accession #                 | NP_001191888.1                                                                                                                                                                                                                             |
| NCBI GenBank Nucleotide #        | NM_001204959.1                                                                                                                                                                                                                             |
| UniProt Accession #              | Q99P87                                                                                                                                                                                                                                     |
| Molecular Weight                 | 12,492 Da                                                                                                                                                                                                                                  |
| NCBI Official Full Name          | resistin                                                                                                                                                                                                                                   |
| NCBI Official Synonym Full Names | resistin                                                                                                                                                                                                                                   |
| NCBI Official Symbol             | Retn                                                                                                                                                                                                                                       |
| NCBI Official Synonym Symbols    | ADSF; Rstn; Xcp4; Fizz3                                                                                                                                                                                                                    |
| NCBI Protein Information         | resistin; adipose tissue-specific secretory factor; adipose-specific cysteine-rich secreted protein A12-alpha; cysteine-rich secreted protein FIZZ3; dominant inhibitory adipocyte-specific secretory factor; found in inflammatory zone 3 |
| UniProt Protein Name             | Resistin                                                                                                                                                                                                                                   |
| UniProt Gene Name                | <b>Retn</b>                                                                                                                                                                                                                                |
| UniProt Synonym Gene Names       | Fizz3; ADSF                                                                                                                                                                                                                                |
| UniProt Entry Name               | RETN_MOUSE                                                                                                                                                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/retn-recombinant-protein-e-coli/38216>