

**Recombinant Human Resistin**  
**Catalog # PBG10383****Specification**

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**Recombinant Human Resistin - Product Information****Recombinant Human Resistin - Additional Information****Description**

Resistin belongs to a family of tissue-specific cytokines termed FIZZ (found in inflammatory zones) and RELM. The three known members of this family; Resistin, RELM- $\alpha$  and RELM- $\beta$  share a highly conserved C-terminal domain, characterized by 10 cysteine residues with a unique spacing motif of C-X<sup>11</sup>-C-X<sup>8</sup>-C-X-C-X<sup>3</sup>-C-X<sup>10</sup>-C-X-C-X-C-X<sup>9</sup>-C-C. Resistin is an adipose-derived cytokine (adipokine) whose physiological function and molecular targets are largely unknown. Studies have shown that Resistin suppresses insulin's ability to stimulate glucose uptake, and postulated that Resistin might be an important link between obesity and Type 2 diabetes. Other studies have indicated that Resistin expression is severely suppressed in obesity and that it may act as a feedback regulator of Adipogenesis. Recombinant human Resistin is a 19.5 kDa disulfide-linked homodimeric protein composed of two identical 92 amino acid chains linked by a single disulfide bond.

**Biological Activity**

Determined by its ability to stimulate lipolysis in cultured human adipocytes. (Ort, T. et al. *Endocrinology*; 46(5):2200-9)

**Authenticity**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**Endotoxin**

Endotoxin level is <0.1 ng/  $\mu$ g of protein (<1EU/  $\mu$ g).

**Protein Content**

Verified by UV Spectroscopy and/or SDS-PAGE gel.

**Storage**

-20°C

**Precautions**

Recombinant Human Resistin is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant Human Resistin - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Recombinant Human Resistin - Images**