

**TECHNICAL DATA SHEET**

**Recombinant Mouse Resistin (Carrier-Free)**

Catalog Number: 21-9205

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Mouse Resistin (Carrier-Free)

**DESCRIPTION**

Resistin belongs to a family of tissue-specific cytokines termed FIZZ (found in inflammatory zones) and RELM. The four known members of this family, resistin, RELMalpha, RELMbeta, and RELMgamma, share a highly conserved C-terminal domain, characterized by 10 cysteine residues with a unique spacing motif of C-X11-C-X8-C-X-C-X3-C-X10-C-X-C-X-C-X9-C-C. Resistin is an adipose-derived cytokine (adipokine) whose physiological function and molecular targets are largely unknown.

**MOLECULAR MASS**

Recombinant Mouse Resistin is a 20.2 kDa, disulfide-linked, homodimeric protein composed of two identical 94 amino acid chains linked by a single disulfide bond.

**AMINO ACID SEQUENCE**

SSMPLCPIDE AIDKKIKQDF NSLFPNAIKN IGLNCWTVSS RGKLASCEPGE TAVLSCSCGS ACGSWDIREE KVCHCQCARI DWTAARCCKL QVAS

**SOURCE**

HEK293 cells

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

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

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

**AUTHENTICITY**

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

**CROSS REACTIVITY**

Human, Mouse, Rat

**BIOACTIVITY**

Data not available at this time.

**RESEARCH AREAS**

Inflammation, Angiogenesis/Cardiovascular, Diabetes/Weight Regulation

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Junkin, K.A. Resistin acutely impairs insulin-stimulated glucose transport in rodent muscle in the presence, but not absence, of palmitate. 2009. American Journal of Physiology. Regulatory, Integrative and Comparative Physiology.; 296(4):R944-51. Ort, T. Recombinant Human FIZZ3/Resistin Stimulates Lipolysis in Cultured Human Adipocytes, Mouse Adipose Explants, and Normal Mice. 2005. Endocrinology; 46(5):2200-9.

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