

TECHNICAL DATA SHEET

Recombinant Mouse Resistin (Carrier-Free)

Catalog Number: 21-9205

RPx-Pro™ Recombinant Protein PRODUCT INFORMATION

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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 RGKLASCPG TAVLSCSCGS ACGSWDIREE KVCHCQCARI DWTAARCCCKL QVAS

SOURCE

E. coli

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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