

TECHNICAL DATA SHEET

Recombinant Human Resistin (Carrier-Free)

Catalog Number: 21-9198

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human 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.

MOLECULAR MASS

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.

AMINO ACID SEQUENCE

SSKTLCSMEE AINERIQEVA GSLIFRAISS IGLECQSVTS RGDLATCPRG FAVTGCTCGS ACGSWDVRAE TTCHCQCAGM DWTGARCCRV QP

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

Bacteria, Human, Mouse

BIOACTIVITY

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

RESEARCH AREAS

Inflammation, Angiogenesis/Cardiovascular, Diabetes/Weight Regulation

RECONSTITUTION

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

REFERENCES

Calabro, P. Resistin promotes smooth muscle cell proliferation through activation of extracellular signal-regulated kinase 1/2 and phosphatidylinositol 3-kinase pathways. 2004. Circulation; 110(21):3335-40. Ort, T. Recombinant Human FIZZ3/Resistin Stimulates Lipolysis in Cultured Human Adipocytes, Mouse Adipose Explants, and Normal Mice. 2005. Endocrinology; 46(5):2200-9.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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