

TECHNICAL DATA SHEET

## Recombinant Mouse Relm-alpha (Carrier-Free)

Catalog Number: 21-9202

**RPx-Pro™ Recombinant Protein**  
PRODUCT INFORMATION

**CONTENTS**

Recombinant Mouse Relm-alpha (Carrier-Free)

**DESCRIPTION**

RELMalpha belongs to a unique family of tissue-specific cytokines termed FIZZ (found in inflammatory zone) and RELM. The four known members of this family, resistin, RELMalpha, RELMbeta, and RELMgamma, are 85-94 amino acid, secreted proteins sharing a 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. RELMalpha and resistin are secreted exclusively by adipocytes, while RELMbeta is expressed in the epithelium of the colon and small bowel. The physiological role and molecular targets of RELMalpha are still unknown.

**MOLECULAR MASS**

Recombinant Mouse RELMalpha is a 10.0 kDa monomeric protein containing 89 amino acid residues.

**AMINO ACID SEQUENCE**

MDETIEIIVE NKVKELLANP ANYPSTVTKT LSCTSVKTMN RWASCPAGMT ATGCACGFAC GSWEIQSGDT CNCLCLLDVDW TTARCCQLS

**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**

Chicken, Mouse, Parasite, Pig Intestinal Worm

**BIOACTIVITY**

Data not available at this time.

**RESEARCH AREAS**

Inflammation

**RECONSTITUTION**

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

**REFERENCES**

Wang, M.L. Regulation of RELM/FIZZ isoform expression by Cdx2 in response to innate and adaptive immune stimulation in the intestine. 2005. The American Journal of Physiology; 288(5):G1074-83. Fujinami, A. Resistin concentrations in murine adipose tissue and serum measured by a new enzyme immunoassay. 2006. Obesity; 14(2):199-205.

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