

**TECHNICAL DATA SHEET**

**Recombinant Human Relm-beta (Carrier-Free)**

Catalog Number: 21-9199

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

**CONTENTS**

Recombinant Human Relm-beta (Carrier-Free)

**DESCRIPTION**

RELMbeta (Resistin-like molecule beta/FIZZ2) is a disulfide-linked, homodimeric protein expressed in the epithelium of the colon and small bowel. The biological functions of RELMbeta, and its molecular targets, are not fully known, but it has been suggested that it plays a regulatory role during inflammation, and may also act to establish links among adipose tissue, the intestine and the liver. Interestingly, the molecular structure of RELMbeta is highly homologous to that of the adipose-derived cytokines, resistin and RELMalpha.

**MOLECULAR MASS**

Recombinant Human RELMbeta is a 19.0 kDa protein, consisting of two identical 89 amino acid polypeptide chains linked by a single disulfide bond.

**AMINO ACID SEQUENCE**

MQCSLDSVMD KKIKDVLNSL EYSPSPISKK LSCASVKSQG RPSSCPAGMA VTGCACGYGC GSWDVQLETT CHCQCSVVDW TTARCCHLT

**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

**BIOACTIVITY**

Data not available at this time.

**RESEARCH AREAS**

Inflammation

**RECONSTITUTION**

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

**REFERENCES**

Angelini, D.J. Resistin-like molecule-beta in scleroderma-associated pulmonary hypertension. 2009. American Journal of Respiratory Cell and Molecular Biology; 41(5):553-61.

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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