

TECHNICAL DATA SHEET

Recombinant Mouse Relm-beta (Carrier-Free)

Catalog Number: 21-9203

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Mouse 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 Mouse RELMbeta is an 18.0 kDa protein, consisting of two identical 83 amino acid polypeptide chains linked by a single disulfide bond.

AMINO ACID SEQUENCE

MQCSFESLVD QRIKEALSRQ EPKTISCTSV TSSGRLASCP AGMVVTGCAC GYGCGSWDIR NGNTCHCQCS VMDWASARCC RMA

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

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

Artis, D. RELM{beta}/FIZZ2 is a goblet cell-specific immune-effector molecule in the gastrointestinal tract. 2004. Proceedings of the National Academy of Sciences of the USA; 101(37):13596-13600. 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.

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