

TECHNICAL DATA SHEET

Recombinant Mouse Relm-gamma (Carrier-Free)

Catalog Number: 21-9204

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Mouse Relm-gamma (Carrier-Free)

DESCRIPTION

RELMgamma belongs to a unique family of tissue-specific cytokines termed FIZZ (found in inflammatory zone) and RELM. The other three known members of this family, resistin, RELMalpha, and RELMbeta, 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. RELMgamma is most closely related to RELMalpha, but is distinctly secreted in the bone marrow, spleen, lung, and peripheral blood granulocytes. The physiological role of RELMgamma may include the promotion or regulation of promyelocytic differentiation, although the specific molecular targets of RELMgamma have not been identified.

MOLECULAR MASS

Recombinant Mouse RELMgamma is a 9.2 kDa monomeric protein containing 88 amino acid residues.

AMINO ACID SEQUENCE

EGTLESIVEK KVKELLANRD DCPSTVTKTF SCTSITASGR LASCPSGMTV TGCACGYGCG SWDIRDGNTC HCQCSTMDWA TARCCQLA

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

N/A

BIOACTIVITY

Data not available at this time.

RESEARCH AREAS

Inflammation

RECONSTITUTION

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

REFERENCES

Ahmed N, French T, Rausch S, Kühl A, Hemminger K, Dunay IR, Steinfeld S, Hartmann S. Front Cell Infect Microbiol. 2017 Jul 25;7:341. doi: 10.3389/fcimb.2017.00341. Mavi P, Niranjana R, Dutt P, Zaidi A, Shukla JS, Korfhagen T, Mishra A. Am J Physiol Gastrointest Liver Physiol. 2014 Sep 1;307(5):G499-507. doi: 10.1152/ajpgi.00141.2014.

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