

TECHNICAL DATA SHEET

Recombinant Human LEC/NCC-4 (CCL16) (Carrier-Free)

Catalog Number: 21-9155

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human LEC/NCC-4 (CCL16) (Carrier-Free)

DESCRIPTION

LEC is a CC chemokine that can signal through the CCR8 and CCR1 receptors. It is expressed in the liver, spleen, and thymus. LEC is chemotactic towards monocytes and lymphocytes, but not neutrophils.

MOLECULAR MASS

Recombinant Human LEC is an 11.2 kDa protein containing 97 amino acid residues, including the four conserved cysteine residues present in CC chemokines.

AMINO ACID SEQUENCE

QPKVPEWVNT PSTCCLKYYE KVLPRRLVVG YRKALNCHLP AIFVTKRNR EVCTNPNDW VQEYIKDPNL PLLPTRNLST VKIITAKNGQ PQLLNSQ

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 chemoattract total human monocytes using a concentration range of 10-100 ng/ml.

RESEARCH AREAS

Wound Healing, Chemotaxis

RECONSTITUTION

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

REFERENCES

Howard, O.M. LEC induces chemotaxis and adhesion by interacting with CCR1 and CCR8. 2000. Blood; 96 (3) pp. 840-845. Strasly, M. CCL16 activates an angiogenic program in vascular endothelial cells. 2004. Blood; 103 (1) pp. 40-49.

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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