

TECHNICAL DATA SHEET

Recombinant Human Lymphotactin (XCL1) (Carrier-Free)

Catalog Number: 21-9146

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human Lymphotactin (XCL1) (Carrier-Free)

DESCRIPTION

Lymphotactin is the only known member of the C chemokine family, and signals through the receptor XCR1, formally known as GPR5. The spleen shows the highest level of lymphotactin compared to peripheral leukocytes, lung, colon and small intestine. Lymphotactin is chemotactic towards lymphocytes, but not towards monocytes or neutrophils.

MOLECULAR MASS

Recombinant Human Lymphotactin is a 10.0 kDa protein consisting of 92 amino acid residues.

AMINO ACID SEQUENCE

GSEVSDKRTC VSLTTQRLPV SRIKTYTITE GSLRAVIFIT KRGLKVCADP QATWVRDVVR SMDRKSNTRN NMIQTKPTGT QQSTNTAVTL TG

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, Hamster, Human, Mouse

BIOACTIVITY

Determined by its ability to chemoattract human T-cells using a concentration of 10.0-100.0 ng/ml.

RESEARCH AREAS

Wound Healing, Chemotaxis

RECONSTITUTION

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

REFERENCES

Nilsson, G. Mast Cell Migratory Response to Interleukin-8 Is Mediated Through Interaction With Chemokine Receptor CXCR2/Interleukin-8RB. 1999. Blood; 93, Number 9. pp.2791-2797. Bleul, C.C. A Highly Efficacious Lymphocyte Chemoattractant., Stromal Cell-derived Factor 1 (SDF-1). 1996. The Journal of Experimental Medicine; 184(3):1101-1109.

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