

**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 QATWVRDVR SMDRKSNTNRN NMIQTKPTGT QQSTNTAVTL TG

**SOURCE**

HEK293 cells

**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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