9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Lymphotactin Rat

Lymphotactin (XCL1) Rat Recombinant
CHK0096

Product Overview

Name	Lymphotactin Rat

Description

Lymphotactin (XCL1) Rat Recombinant

Accession (Primary)	P51672

Synonyms

XCL1, Cytokine SCM-1, ATAC, Lymphotaxin, SCM-1-alpha, Small inducible cytokine C1, XC chemokine ligand 1, LTN, LPTN, SCM1, SCM-1, SCYC1, SCM-1a.

Introduction

XCL1 is a small cytokine belongs to the XC chemokine family that is also known as lymphotactin. XCL1 is found in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. Cellular sources for XCL1 include activated thymic and peripheral blood CD8+ T cells. This chemokine attracts T cells. In humans, XCL1 is closely related to XCL2, whose gene is found at the same locus on chromosome 1. XCL1 induces it chemotactic function by binding to a chemokine receptor called XCR1.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.

Stability

Lyophilized XCL1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Lymphotactin should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles .

Purity

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

VGTEVLQESI CVSLRTQRLP VQKIKTYTIK EGAMRAVIFV TKRGLRICAD PQAKWVKTAI KTVDGRASAS KSKAETIPTQ AQRSASTAVT LTG.

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Biological Activity

Solubility

It is recommended to reconstitute the lyophilized Lymphotactin in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Lymphotactin Rat is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P51672)