

# Recombinant Human XCL1

**Cat. No.** XCL1-27983TH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 23-114 of Human Lymphotactin, 92 amino acids, 10kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	23-114 a.a.
<b>Description</b>	This gene encodes a member of the chemokine superfamily. Chemokines function in inflammatory and immunological responses, inducing leukocyte migration and activation. The encoded protein is a member of the C-chemokine subfamily, retaining only two of four cysteines conserved in other chemokines, and is thought to be specifically chemotactic for T cells. This gene and a closely related family member are located on the long arm of chromosome 1.
<b>Tissue specificity</b>	Highest level in spleen, lower in peripheral leukocytes and very low levels in lung, colon and small intestine.
<b>Biological activity</b>	Biological Activity: The Biological activity is calculated by its ability to chemoattract human T cells at 10.0-100.0 ng/ml.
<b>Form</b>	Lyophilised: Reconstitute in sterile 18MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Upon reconstitution XCL1-27983TH should be stored at 4°C between 2-7 days and for future use below -18°C. For long

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: ddH2O
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Sequences of amino acids</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Ser-Glu-Val-Ser.
<b>Sequence Similarities</b>	Belongs to the intercrine gamma family.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">XCL1 chemokine (C motif) ligand 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">XCL1</a>
<b>Synonyms</b>	XCL1; chemokine (C motif) ligand 1; LTN, SCYC1, small inducible cytokine subfamily C, member 1 (lymphotactin); lymphotactin; ATAC; LPTN; SCM 1; SCM 1a;
<b>Gene ID</b>	<a href="#">6375</a>
<b>mRNA Refseq</b>	<a href="#">NM_002995</a>
<b>Protein Refseq</b>	<a href="#">NP_002986</a>
<b>MIM</b>	<a href="#">600250</a>
<b>Uniprot ID</b>	<a href="#">P47992</a>

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**Chromosome  
Location**

1q24.2

**Pathway**

Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;

**Function**

chemokine activity; chemokine receptor binding; chemokine receptor binding; protein homodimerization activity;

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