Recombinant Human XCL1

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 23-114 of Human Lymphotactin, 92 amino acids, 10kDa.
Species	Human
Source	E.coli
ProteinLength	23-114 a.a.
Description	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.
Tissue specificity	Highest level in spleen, lower in peripheral leukocytes and very low levels in lung, colon and small intestine.
Biological activity	Biological Activity:The Biological activity is calculated by its ability to chemoattract human T cells at 10.0-100.0 ng/ml.
Form	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

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Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: ddH20
Storage	Store at -20°C or lower.Aliquot to avoid repeated freezing and thawing.
Sequences of amino acids	The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Ser-Glu-Val-Ser.
Sequence Similarities	Belongs to the intercrine gamma family.

GENE INFORMATION

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

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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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