

## Recombinant Human XCL1 protein, His/Fc-tagged

Cat. No. XCL1-06H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human XCL1(Val22-Gly114) fused with His/Fc tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Val22-Gly114
<b>Description</b>	Lymphotactin, also known as ATAC, C motif chemokine 1, Cytokine SCM-1, Lymphotaxin, SCM-1-alpha, Small-inducible cytokine C1, XC chemokine ligand 1, LTN, SCYC1 and XCL1, is a secreted protein which belongs to the intercrine gamma family. It is also a member of the XC chemokine family. XCL1 is found in spleen with highest level, lower in peripheral leukocytes and very low levels in lung, colon and small intestine. XCL1 plays a role in inflammatory and immunological responses, inducing leukocyte migration and activation. XCL1 induces chemotactic function by binding to a chemokine receptor called XCR1. XCL1 is closely related to another chemokine called XCL2.
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS
<b>AA Sequence</b>	VGSEVSDKRTCVSLLTQRLPVSRIKTYTITEGSLRAVIFITKRGLKVCADPQATWVRD VVRSMRDR KSNTRNNMIQTKPTGTQQSTNTAVTLTGVDIEGRMDEPKSCDKTHTC PPCPAPELLGGPSVFLF PPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGV EVHNAKTKPREEQYNSTYRVVSVLTV LHQDWLNGKEYKCKVSNKALPAPIEKTISKA

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KGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFY PSDIAVEWESNGQPENNYKTT  
 PPVLDSGDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQ KSLSLSPGKHH  
 HHHH

**Endotoxin** Less than 0.1 ng/g (1 IEU/g).

**Purity** Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

**Storage** Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.

**Reconstitution** Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Shipping** The product is shipped at ambient temperature.

## 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; SCM-1-alpha; lymphotaxin; cytokine SCM-1; c motif chemokine 1; XC chemokine ligand 1; single cysteine motif 1a; small-inducible cytokine C1; small inducible cytokine subfamily C, member 1 (lymphotactin); LTN; SCM1; SCM-1; SCM1A; SCYC1; SCM-

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	1a;
<b>Gene ID</b>	6375
<b>mRNA Refseq</b>	NM_002995
<b>Protein Refseq</b>	NP_002986
<b>MIM</b>	600250
<b>UniProt ID</b>	P47992
<b>Chromosome Location</b>	1q24.2
<b>Pathway</b>	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; Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (q) signalling events, organism-specific biosystem;
<b>Function</b>	chemokine activity; chemokine receptor binding; chemokine receptor binding; protein homodimerization activity;

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