

Recombinant Human Lymphotactin, His-tagged

Cat. No. XCL1-158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human XCL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography, 12.5 kDa (114aa) (Real molecular weight on SDS-PAGE will be shift up).
Species	Human
Source	E.coli
Description	Lymphotactin, also known as XCL1, is member of gamma or C subfamily of chemokines. It is found in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. The expression of lymphotactin is restricted to activated T cells such as activated CD8+ T cells and other calss IMHC restricted T cells. Since lymphotactin is produced by lymphocytes and acts on lymphocytes, it is speculated that it is a messenger in T cell chemoattraction.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MVGSEVSDKR TCVSLTTQRL PVSRIKTYTI TEGSLRAVIF ITRGLKVCA DPQATWVRDV VRSMDRKSNT RNNMIQTKPT GTQQSTNTAV TLTG
Purity	> 95% by SDS - PAGE
Molecular Weight	12.5 kDa (114aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will shift up)

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Form	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 2 mM DTT, 0.2 M NaCl.
Concentration	0.25 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	XCL1 chemokine (C motif) ligand 1 [Homo sapiens]
Synonyms	XCL1; chemokine (C motif) ligand 1; LTN; ATAC; LPTN; SCM1; SCM-1; SCYC1; SCM-1a; XCL1; chemokine (C motif) ligand 1; lymphotactin; OTTHUMP00000032498; OTTHUMP00000060404;small inducible cytokine subfamily C, member 1 (lymphotactin); C motif chemokine 1; Cytokine SCM-1; ATAC; Lymphotaxin; SCM-1-alpha; Small-inducible cytokine C1; XC chemokine ligand 1.
Gene ID	6375
mRNA Refseq	NM_002995
Protein Refseq	NP_002986
MIM	600250
UniProt ID	P47992
Chromosome Location	1q23

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Pathway	Cytokine-cytokine receptor interaction; Signaling by GPCR
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Function	chemokine activity
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