

Active Recombinant Human XCL1 Protein (92 aa)

Cat. No. XCL1-084X **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human XCL1 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	92
Description	Lymphotactin is the only known member of the C-chemokine family and signals through the receptor XCR1, formally known as GPR5. The spleen shows the highest level of lymphotactin compared to peripheral leukocytes, lung, colon and small intestine. Lymphotactin is chemotactic towards lymphocytes but not towards monocytes or neutrophils.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract human T cells using a concentration range of 10.0-100.0 ng/mL, corresponding to a Specific Activity of 1×10^4 IU/mg.
Molecular Mass	10.0 kDa, a single non-glycosylated polypeptide chain containing 92 amino acids.
AA Sequence	GSEVSDKRTCVSLLTQRLPVSRIKTYTITEGSLRAVIFITKRLKVCADPQATWVRDV VRSMDRKSNTNRNMIQTKPTGTQQSTNTAVTLTG

 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

Endotoxin	Less than 1 EU/mg of rHuCXCL13 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2mm filtered concentrated solution in 20mM PB, pH7.4, 150mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

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-1a;

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Gene ID	6375
mRNA Refseq	NM_002995
Protein Refseq	NP_002986
MIM	600250
UniProt ID	P47992

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