

## Lymphotactin Human, His

**Description:**XCL1 Human Recombinant produced in E.Coli is a single,non-glycosylated, polypeptide chain containing 114 amino acids (22-114 a.a.) and having a molecular mass of 12.5 kDa. The XCL1 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:CHPS-364

For research use only.

**Synonyms:**XCL1, Cytokine SCM-1, ATAC, Lymphotaxin, SCM-1-alpha, Small inducible cytokine C1, XC chemokine ligand 1, LTN, LPTN, SCM1, SCM-1, SCYC1, SCM-1a.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MVGSEVSDKR TCVSLTTQRL  
PVSRIKTYTI TEGSLRAVIF ITKRGLKVCA DPQATWVRDV VRSMRKSNTNRNMIQTKPT  
GTQQSTNTAV TLTG.

**Purity:**Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

Recombinant XCL1 contains 20mM Tris buffer pH-8, 200mM NaCl, 2mM DTT and 30% glycerol.

**Stability:**

XCL1 although stable at 10°C for 3 weeks, should be stored desiccated below -18°C.Please prevent freeze-thaw cycles.

**Usage:**

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**Introduction:**

XCL1 is a small cytokine belonging to the XC chemokine family that is also known as lymphotactin. It is located in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. Cellular sources for XCL1 include activated thymic and peripheral blood CD8+ T cells. This chemokine attracts T cells. In humans, XCL1 is closely related to another chemokine called XCL2, whose gene is found at the same locus on chromosome 1. XCL1 induces its chemotactic function by binding to a chemokine receptor called XCR1.

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