

# Recombinant human XCL1/Lymphotactin protein

Catalog Number: ATGP0316

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

22-114aa

### UniProt No.

P47992

### NCBI Accession No.

NP\_002986

### Alternative Names

Chemokine (C motif) ligand 1, XCL1, ATAC, LPTN, LTN, SCM-1, SCM-1a, SCM1, SCYC1, Chemokine (C motif) ligand 1, Lymphotactin/XCL1, Chemokine (C motif) ligand 1 C motif chemokine 1, SCM 1 alpha, SCM1, SCYC1, Chemokine C Motif Ligand 1, Small inducible cytokine C1, Small Inducible Cytokine Subfamily C Member 1, XC chemokine ligand 1, XCL1.

## PRODUCT SPECIFICATION

---

### Molecular Weight

12.5 kDa (114aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 2mM DTT, 0.2 M NaCl.

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

Lymphotactin, also known as XCL1, is member of gamma or C subfamily of chemokines. It is found in high levels

# Recombinant human XCL1/Lymphotactin protein

Catalog Number: ATGP0316

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. Recombinant human XCL1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## Amino acid Sequence

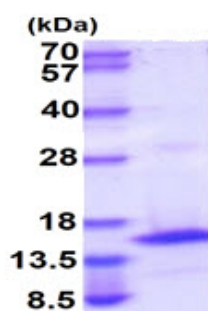
MGSSHHHHHH SGLVPRGSH MVGSEVSDKR TCVSLTTQRL PVSRIKTYTI TEGSLRAVIF ITKRGLKVCA DPQATWVRDV  
VRSMDRKSNT RNNMIQTKPT GTQQSTNTAV TLTG

## General References

Yoshida T., et al. (1996). FEBS Lett. 395(1):82-8.  
Kennedy J., et al. (1995). J Immunol. 155(1):203-9.

## DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.