

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

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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

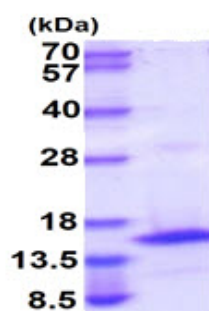
MGSSHHHHHH SGLVPRGSH MVGSEVSDKR TCVSLTTQRL PVSRIKTYTI TEGSLRAVIF ITKRGLKVCA DPQATWVRDV
VRSMDRKSNT RNNMIQTKPT GTQQSTNTAV TLTG

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.