

RPPB1181

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## Product Information    Protein Information

**Product SKU:**

RPPB1181

**Accession:**

P47992

**Host:**

Escherichia Coli.

**Protein description:**

Lymphotactin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 92 amino acids and having a molecular mass of 10007 Dalton. The Lymphotactin is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**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.

**Formulation:**

The XCL1 was lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

**Purity:**

Greater than 99.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Lymphotactin in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Lymphotactin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution XCL1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Ser-Glu-Val-Ser.

**Biological Activity:**

The Biological activity is calculated by its ability to chemoattract human T cells at 10-100ng/ml corresponding to a Specific Activity of 10,000-100,000IU/mg.