

Rat Lymphotactin Recombinant Protein



RPPB1184

Product Information Protein Information

Product SKU:

RPPB1184

Accession:

P51672

Host:

Escherichia Coli.

Protein description:

Lymphotactin (XCL1) Rat Recombinant produced in E.Coli is a non-glycosylated polypeptide chain containing 93 amino acids and having a molecular mass of approximately 10.0kDa. 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:

Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 97.0% 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 H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized XCL1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Lymphotactin should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

VGTEVLQESI CVSLRTQRLP VQKIKYTIK EGAMRAVIFV TKRGLRICAD PQAQWVKTAI KTV DGRASAS
KSKAETIPTQ AQRSA STAVT LTG.

Biological Activity:

The ED₅₀ as determined by a chemotaxis bioassay using human XCR1 transfected murine BaF3 cells < 100 ng/ml, corresponding to a specific activity of > 1.0 × 10⁴ IU/mg.