

## Lymphotactin (XCL1) Active Protein | XCL1 active protein

Recombinant Human Lymphotactin (XCL1)

CATALOG #  
**AAA214241**

HOST  
**E Coli**

### PRODUCT SYNONYMS

Lymphotactin (XCL1); Recombinant Human Lymphotactin (XCL1); ATAC; C motif chemokine 1; Cytokine SCM-1; Lymphotaxin; SCM-1-alpha; Small-inducible cytokine C1; XC chemokine ligand 1; XCL1; LTN; SCYC1; XCL1 active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                      |
| Purity/Purification     | >95% as determined by SDS-PAGE                                                                                                                                                                                                                              |
| Form/Format             | Lyophilized from 0.2 um filtered PBS, pH 7.0.                                                                                                                                                                                                               |
| Sequence Length         | 114                                                                                                                                                                                                                                                         |
| Bioactivity             | Activity was determined by the ability to induce chemotaxis of human T-cells at concentrations ranging between 50-100 ng/ml.                                                                                                                                |
| Endotoxin Level         | <1.0 EU/ug of recombinant protein as determined by the LAL method.                                                                                                                                                                                          |
| Family                  | Chemokine-gamma Family                                                                                                                                                                                                                                      |
| Appearance              | Lyophilized Powder                                                                                                                                                                                                                                          |
| Species                 | Human (H. sapiens)                                                                                                                                                                                                                                          |
| Reconstitution          | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.                                                                                    |
| Preparation and Storage | The lyophilized protein is stable from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8°C, or at -20°C, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for XCL1 active protein | XCL1, also known as lymphotactin or ATAC, is the sole member of the C subgroup of chemokines, and more importantly, is produced mainly by activated CD8 T cells (and to a lesser extent by natural killer and mast cells). The chemotactic activity of XCL1 is restricted to lymphocytes and has no effect on monocytes. |
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### NCBI AND UNIPROT INFORMATION

|                           |              |
|---------------------------|--------------|
| NCBI GI #                 | 4506853      |
| NCBI GeneID               | 6375         |
| NCBI Accession #          | NP_002986.1  |
| NCBI GenBank Nucleotide # | NP_002986.1  |
| UniProt Accession #       | P47992       |
| Molecular Weight          | 10.0 kDa     |
| NCBI Official Full Name   | lymphotactin |

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI Official Synonym Full Names | X-C motif chemokine ligand 1                       |
| NCBI Official Symbol             | XCL1                                               |
| NCBI Official Synonym Symbols    | LTN; ATAC; LPTN; SCM1; SCM-1; SCM1A; SCYC1; SCM-1a |
| NCBI Protein Information         | lymphotactin                                       |
| UniProt Protein Name             | Lymphotactin                                       |
| UniProt Gene Name                | <b>XCL1</b>                                        |
| UniProt Synonym Gene Names       | LTN; SCYC1                                         |
| UniProt Entry Name               | XCL1_HUMAN                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/lymphotactin-xcl1/214241>