

**Product:** Lymphotactin (XCL1), human, recombinant  
**Catalog #:** 11-LYMPH  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human Lymphotactin produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 92 amino acids and having a molecular mass of 10007 Dalton. rHuLymphotactin is purified by proprietary chromatographic techniques.  
The sequence of the first five N-terminal amino acids was determined and was found to be Gln-Ser-Glu-Val-Ser.

**SOURCE:** *Escherichia coli* expression system

**MOLECULAR WEIGHT:** 10 kDa

**PURITY:** > 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuLymphotactin.

**DIMERS & AGGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm.  
2. RP-HPLC Analysis, using a standard solution of Lymphotactin as a Reference Standard.

**FORM:** Purified.

**CONCENTRATION:** 0.1 mg/ml

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

**BIOLOGICAL ACTIVITY:** rHuLymphotactin is fully biologically active when compared to standard. The Biological activity is calculated by its ability to chemoattract human T cells at 10.0-100.0 ng/ml.

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