



## Recombinant Human Lymphotactin

20150227BB



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>100-063S</b>
Size:	5 µg
Lot. No.:	According to product label

### Sequence

GSEVSDKRTC VSLTTQRLPV SRIKTYTITE GSLRAVIFIT  
KRGLKVCADP QATWVRDVVR SMDRKSNTN NMIQTKPTGT  
QQSTNTAVTL TG

### Database References

<b>Protein RefSeq:</b>	NP_002986.1
<b>Uniprot ID:</b>	P47992
<b>mRNA RefSeq:</b>	NM_002995

## Scientific Background

<b>Gene-ID (NCBI):</b>	6375
<b>Synonyms:</b>	XCL1; LTN; ATAC; LPTN; SCM1; SCM-1; SCM1A; SCYC1; SCM-1a

Lymphotactin is the only known member of the C-chemokine family and signals through the receptor XCR1, formally known as GPR5. The spleen shows the highest level of lymphotactin compared to peripheral leukocytes, lung, colon and small intestine. Lymphotactin is chemotactic towards lymphocytes but not towards monocytes or neutrophils. Recombinant human Lymphotactin is a 10.0 kDa protein consisting of 92 amino acid residues.

## Product Specifications

<b>Expressed in</b>	E. coli
<b>Purity</b>	> 98% by SDS-PAGE & HPLC analyses
<b>Endotoxin level</b>	< 0.1 ng /µg of protein (<1EU/µg).
<b>Formulation</b>	lyophilized
<b>Length (aa):</b>	92
<b>MW:</b>	10 kDa

**Biological Activity:** Determined by its ability to chemoattract human T cells using a concentration of 10.0-100.0 ng/ml.



**AVOID REPEATED FREEZE AND THAW CYCLES!**