

## Recombinant Human Lymphotactin/XCL1

Catalog No: #AP60294



Package Size: #AP60294-1 5ug #AP60294-2 100ug #AP60294-3 500ug

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## Description

Product Name	Recombinant Human Lymphotactin/XCL1
Host Species	Escherichia coli.
Purification	> 98 % by SDS-PAGE and HPLC analyses.
Other Names	ATAC, C motif chemokine 1, Cytokine SCM-1, Lymphotaxin, SCM-1-alpha, Small-inducible cytokine C1, XC chemokine ligand 1
Uniprot	P47992
GeneID	6375
Calculated MW	Approximately 10.2 kDa, a single non-glycosylated polypeptide chain containing 92 amino acids.
Target Sequence	GSEVSDKRTC VSLTTQRLPV SRIKTYTITE GSLRAVIFIT KRGLKVCADP QATWVRDVVR SMDRKSNTRN NMIQTKPTGT QQSTNTAVTL TG
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

## Background

Chemokine (C motif) ligand (XCL1), as known as lymphotactin, is the only known member of the C-chemokine family and signals through the receptor XCR1, formally known as GPR5. The expression of lymphotactin is abundant in some activated T cells such as activated CD8+ T cells and other class I MHC restricted T cells. It is found in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. XCL1 induces its chemotactic function by binding to a chemokine receptor called XCR1. Recombinant Human XCL1 which is a single non-glycosylated polypeptide chains containing 92 amino acids and it shares approximately 60 % amino acid sequence homology with the murine and rat protein.

Note: This product is for in vitro research use only