Recombinant Human Lymphotactin (XCL1)

Cat No:HR2R1681

For research use only

Overview

Quantity	20 ?g
Gene Symbol	XCL1
Gene ID	6375
Accession	P47992
Alternative Name	ATAC, C motif chemokine 1, Cytokine SCM-1, Lymphotaxin, SCM-1-alpha, Small-inducible cytokine C1, XC chemokine ligand 1, XCL1, LTN, SCYC1
Species	Human
Source	E. coli
Description	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.
Functions	Activity was determined by the ability to induce chemotaxis of human T-cells at concentrations ranging between 50-100 ng/ml.
Formulation	Recombinant Lymphotactin was lyophilzed from 0.2?m filtered PBS, pH 7.0.
Solubility	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.
Appearance	Lyophilized Powder
Molecular Weight	10
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.