

XCL1

Recombinant Human Lymphotactin (XCL1)

Catalog No.	CRL100A CRL100B CRL100C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	ATAC, LPTN, LTN, SCM-1, SCM-1a, SCM1, SCYC1, lymphotactin, small inducible cytokine subfamily C, member 1 (lymphotactin)		
Description:	Recombinant Human Lymphotactin is a single non-glycosylated polypeptide chain containing 92 amino acids. Background: 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.		
Gene ID:	6375		
Source:	<i>E. coli</i>		
Molecular Weight:	10.2 kDa		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution in 20 mM PB, pH 7.4 + 150 mM NaCl.		
Purity:	>98% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 1EU/µg of rHuLymphotactin/XCL1 as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The biological activity, determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration of 10-100 ng/ml.		
Amino Acid Sequence:	GSEVSDKRTC VSLTTQRLPV SRIKTYTITE GSLRAVIFIT KRGLKVCADP QATWVRDVVR SMDRKSNTNRN NMIQTKPTGT QQSTNTAVTL TG		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.		
Storage & Stability:	Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. Avoid repeated freeze/thaw cycles.		

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