

Lymphotactin/XCL1 Protein, Human

Cat. No.:	HY-P7234
Synonyms:	rHuLymphotactin/XCL1; ATAC; SCYC1
Species:	Human
Source:	E. coli
Accession:	P47992 (G23-G114)
Gene ID:	6375
Molecular Weight:	Approximately 10.2 kDa

PROPERTIES

AA Sequence	G S E V S D K R T C V S L T T Q R L P V S R I K T Y T I T E G S L R A V I F I T K R G L K V C A D P Q A T W V R D V V R S M D R K S N T R N N M I Q T K P T G T Q Q S T N T A V T L T G
Biological Activity	Full biological activity determined by a chemotaxis bioassay using human T-lymphocytes is in a concentration of 10-100 ng/ml.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM PB, pH 7.4, 150 mM NaCl.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water or aqueous buffer containing 0.1% BSA.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	XCL1 is expressed by various immune cells, including activated CD8 β T cells, CD4 β T cells, NK cells, NKT cells, gd T cells, and thymic medullary epithelial cells. XCL1 elicits its chemotactic function by binding to the receptor called XCR1. XCR1 is expressed by a dendritic cell (DC) subpopulation. The interaction between XCL1 and XCR1 plays an important role in DC-mediated immune response and thymic development of regulatory T cells ^[1] .
-------------------	---

REFERENCES

[1]. Lei Y, et al. XCL1 and XCR1 in the immune system. *Microbes Infect.* 2012 Mar;14(3):262-7.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA