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Datasheet for ABIN988120 **XCL1 Protein**

Overview

Quantity:	1 mg
Target:	XCL1
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	GSEVSDKRTC VSLTTQRLPV SRIKTYTITE GSLRAVIFIT KRGLKVCADP QATWVRDVVR SMDRKSNTNRN NMIQTKPTGT QQSTNTAVTL T
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human T-lymphocytes is less than 100 ng/ml, corresponding to a specific activity of $>, 1.0 \times 10^4$ IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/ μ g of rHuCXCL13 as determined by LAL method

Target Details

Target:	XCL1
Alternative Name:	Lymphotactin/XCL1 (XCL1 Products)
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

Target Details

chemotactic towards lymphocytes but not towards monocytes or neutrophils. Synonym: Lymphotactin/XCL1, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH7.4, 150mM NaCl.

Molecular Weight: 10.0 kDa, a single non-glycosylated polypeptide chain containing 92 amino acids.

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.

Storage: 4 °C
