XCL1 cDNA Clone – Chemokine (C Motif) Ligand 1 (Human)

PRODUCT OVERVIEW

Product Name	XCL1, cDNA Clone
Full Product Name	XCL1 cDNA Clone
Product Gene Name	XCL1 cdna clone
Sequence	atgagacttc tcatcctggc cctccttggc atctgctctc tcactgcata cattgtggaa ggtgtaggga gtgaagtctc agataagagg acctgtgtga gcctcactac ccagcgactg ccggttagca gaatcaagac ctacaccatc acggaaggct ccttgagagc agtaattttt attaccaaac gtggcctaaa agtctgtgct gatccacaag ccacatgggt gagagacgtg gtcaggagca tggacaggaa atccaacacc agaaataaca tgatccagac caagccaaca ggaacccagc aatcgaccaa tacagctgtg actctgactg gctag
Molecular Weight	12,517 Da
OMIM	600250
Vector	pENTR223.1
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for XCL1 cdna clone	MBS1267759 is a cDNA clone targeting XCL1.
Other Notes	Small volumes of XCL1 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XCL1. It may not necessarily be applicable to this product.

NCBI GI #	47683025
NCBI GeneID	6375
NCBI Accession #	BC070309
UniProt Secondary Accession #	Q52MA8
UniProt Related Accession #	P47992
NCBI Official Full Name	Homo sapiens chemokine (C motif) ligand 1, mRNA
NCBI Official Synonym Full Names	X-C motif chemokine ligand 1
NCBI Official Symbol	XCL1
NCBI Official Synonym Symbols	LTN; ATAC; LPTN; SCM1; SCM-1; SCM1A; SCYC1; SCM-1a
UniProt Protein Name	Lymphotactin
UniProt Synonym Protein Names	ATAC; C motif chemokine 1; Cytokine SCM-1; Lymphotaxin; SCM-1-alpha; Small-inducible cytokine C1; XC chemokine ligand 1
Protein Family	Lymphotactin
UniProt Gene Name	XCL1
UniProt Synonym Gene Names	LTN; SCYC1

UniProt Entry Name	XCL1_HUMAN
NCBI Protein Information	lymphotactin
NCBI Summary for XCL1	This antimicrobial gene encodes a member of the chemokine superfamily. Chemokines function in inflammatory and immunological responses, inducing leukocyte migration and activation. The encoded protein is a member of the C-chemokine subfamily, retaining only two of four cysteines conserved in other chemokines, and is thought to be specifically chemotactic for T cells. This gene and a closely related family member are located on the long arm of chromosome 1. [provided by RefSeq, Sep 2014]
UniProt Comments for XCL1	XCL1: Chemotactic activity for lymphocytes but not for monocytes or neutrophils. Belongs to the intercrine gamma family. Protein type: Secreted, signal peptide; Secreted; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 1q23 Cellular Component: extracellular region; extracellular space Molecular Function: CCR chemokine receptor binding; chemokine activity; chemokine receptor binding; protein homodimerization activity Biological Process: cell-cell signaling; G-protein coupled receptor protein signaling pathway; monocyte chemotaxis; negative regulation of interferon-gamma production; negative regulation of interleukin-2 production; negative regulation of T cell cytokine production; negative regulation of T-helper 1 type immune response; negative regulation of transcription factor activity; negative regulation of transcription, DNA-dependent; neutrophil chemotaxis; positive regulation of GTPase activity; positive regulation of inflammatory response; positive regulation of interleukin-10 production; positive regulation of leukocyte chemotaxis; positive regulation of release of sequestered calcium ion into cytosol; positive regulation of T cell cytokine production; positive regulation of T cell mediated cytotoxicity; regulation of inflammatory response; release of sequestered calcium ion into cytosol; response to virus; signal transduction
Research Articles on XCL1	**1.** This study defines a Glycosaminoglycan binding surface on XCL1 dimer that includes residues that are important for HIV-1 inhibition.
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