

Recombinant Human CCL16

Cat. No. CCL16-29941TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length mature Human LEC, amino acids 24-120, predicted MW: 11.2kDa.
Species	Human
Source	E.coli
ProteinLength	97 amino acids
Description	This gene is one of several cytokine genes clustered on the q-arm of chromosome 17. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The cytokine encoded by this gene displays chemotactic activity for lymphocytes and monocytes but not for neutrophils. This cytokine also shows a potent myelosuppressive activity and suppresses proliferation of myeloid progenitor cells. The expression of this gene is upregulated by IL-10.
Molecular Weight	11.200kDa
Tissue specificity	Mainly expressed in liver, also found in spleen and thymus. Highly expressed in LPS- and IFN-gamma-activated monocytes, weakly in some lymphocytes, including natural killer cells, gamma-delta T-cells, and some T-cell clones.
Biological activity	Determined by its ability to chemoattract total human monocytes using a concentration range of 10-100 ng/ml corresponding to a Specific Activity of 1,000-

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	10,000IU/mg.
Form	Lyophilised:It is recommended to reconstitute the lyophilized protein in sterile ultra pure water not less than 100µg/ml, which can then be further diluted into other aqueous solutions.
Purity	by SDS-PAGE
Storage buffer	pH: 7.40Constituents:0.88% Sodium chloride, 0.28% Sodium phosphate
Storage	Please see Notes section
Sequences of amino acids	QPKVPEWVNTPTSTCCLKYYEKVLPRRLVVGYRKALNCHLPAIIFVTKRNREVCTNP N DDWVQEYIKDPNLP LLPTRNLSTVKIITAKNGQPQLLSQ
Sequence Similarities	Belongs to the intercrine beta (chemokine CC) family.

GENE INFORMATION

Gene Name	CCL16 chemokine (C-C motif) ligand 16 [Homo sapiens]
Official Symbol	CCL16
Synonyms	CCL16; chemokine (C-C motif) ligand 16; SCYA16, small inducible cytokine subfamily A (Cys Cys), member 16; C-C motif chemokine 16; CKb12; HCC 4; LCC 1; LEC; LMC; Mtn 1; NCC 4; SCYL4;
Gene ID	6360
mRNA Refseq	NM_004590

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Protein Refseq	NP_004581
MIM	601394
Uniprot ID	O15467
Chromosome Location	17q11.2
Pathway	Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem;
Function	chemoattractant activity; chemokine activity;

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