

## Active Recombinant Human CCL16 Protein (97 aa)

**Cat. No.** CCL16-268C    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human HCC-4/CCL16 produced in CHO cells is a single non-glycosylated polypeptide chain containing 97 amino acids. A fully biologically active molecule, rhHCC-4/CCL16 has a molecular mass of 12 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Protein Length</b>	97
<b>Description</b>	Human HCC4, also named NCC4 and Chemokine (C-C motif) ligand 16 (CCL16) is a small cytokine belonging to the CC chemokine family that is known under several pseudonyms, including Liver-expressed chemokine (LEC) and Monotactin-1 (MTN-1). It can signal through the CCR8 and CCR1 receptors, and it is chemotactic towards monocytes and lymphocytes but not neutrophils. HCC-4 is expressed weakly by some lymphocytes, including NK cells, T cells, and some T cell clones. The expression of HCC-4 in monocytes is greatly up-regulated in the presence of IL-10. HCC-4 induces a calcium flux in thp-1 cells that are desensitized prior to the expression of RANTES.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	The EC <sub>50</sub> value of human HCC-4/CCL16 on Ca <sup>2+</sup> mobilization assay in CHO-K1/Ga15/hCCR1 cells (human Ga15 and human CCR1 stably expressed in CHO-K1 cells) is less than 1.5

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	µg/mL.
<b>Molecular Mass</b>	12 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	QPKVPEWVNTPTSCCLKYYEKVLPRLVVGYRKALNCHLPAIIFVTKRNREVCTNPN DDWVQEYIKDPNLPPLPTRNLSTVKIITAKNGQPQLLSQ
<b>Endotoxin</b>	< 0.2 EU/µg, determined by LAL method.
<b>Purity</b>	> 98% as analyzed by SDS-PAGE.
<b>Storage</b>	Lyophilized recombinant human HCC-4/CCL16 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, human HCC-4/CCL16 should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/mL.

## GENE INFORMATION

<b>Gene Name</b>	CCL16 chemokine (C-C motif) ligand 16 [ Homo sapiens ]
<b>Official Symbol</b>	CCL16
<b>Synonyms</b>	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; monotactin-1; chemokine LEC; chemokine CC-4; new CC chemokine 4; liver CC chemokine-1; IL-10-inducible chemokine; liver-expressed chemokine; small-inducible cytokine A16; lymphocyte and monocyte chemoattractant; small inducible cytokine subfamily A (Cys-Cys), member 16; NCC4; HCC-4; LCC-1;

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Mtn-1; NCC-4; ILINCK; SCYA16; MGC117051;

**Gene ID** [6360](#)

**mRNA Refseq** [NM\\_004590](#)

**Protein Refseq** [NP\\_004581](#)

**MIM** [601394](#)

**UniProt ID** [O15467](#)

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