

Active Recombinant Human CCL16 Protein (97 aa)

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	CHO
Protein Length	97
Description	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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	The EC ₅₀ value of human HCC-4/CCL16 on Ca ²⁺ mobilization assay in CHO-K1/Ga15/hCCR1 cells (human Ga15 and human CCR1 stably expressed in CHO-K1 cells) is less than 1.5

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	µg/mL.
Molecular Mass	12 kDa, observed by reducing SDS-PAGE.
AA Sequence	QPKVPEWVNTPTSCCLKYYEKVLPRLVVGYRKALNCHLPAIIFVTKRNREVCTNPN DDWVQEYIKDPNLPLLPTNLSTVKIITAKNGQPQLLSQ
Endotoxin	< 0.2 EU/µg, determined by LAL method.
Purity	> 98% as analyzed by SDS-PAGE.
Storage	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.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/mL.

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; 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 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA