

Active Human CCL16

Cat. No. CCL16-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	It is a synthetic Protein
Species	Human
Description	NCC-4 (also known as HCC-4) is a CC chemokine. It is a 97 amino acid protein. It exhibits less than 30% sequence identity to other CC chemokines. NCC-4 chemoattracts human monocytes and THP-1 cells. However it does not chemoattract resting lymphocytes or neutrophils. It has been found to suppress proliferation of myeloid progenitor cells and induces calcium flux in THP-1 cells. This calcium flux can be desensitized by exposure to RANTES which suggests that NCC-4 and RANTES share the same receptor in THP-1 cells.
Form	Lyophilized
Bio-activity	Activity measured by the protein's ability to chemoattract THP-1 cells. ED50 for this activity is 0.5-3 µg/ml.
Applications	Activity Assay
Storage	Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles
Reconstitution	Recommended reconstitution in sterile phosphate buffered saline which contains at least 0.1% human or bovine serum albumin to prepare a stocksolution of no less than 20 µg/ml and vortex thoroughly.

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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; Mtn-1; NCC-4; ILINCK; SCYA16; MGC117051;
Gene ID	6360
mRNA Refseq	NM_004590
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;

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Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem;

Function

chemoattractant activity; chemokine activity;

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