

CCL16

Recombinant Human Chemokine (C-C motif) Ligand 16/Liver Expressed Chemokine

Catalog No.	CRL200A CRL200B CRL200C	Quantity:	5 µg 20 µg 1.0 mg
Alternate Names:	CKb12, HCC-4, ILINCK, LCC-1, LEC, LMC, Mtn-1, NCC-4, NCC4, SCYA16, SCYL4, IL-10-inducible chemokine, chemokine CC-4, chemokine LEC, liver CC chemokine-1, liver-expressed chemokine, lymphocyte and monocyte chemoattractant, monotactin-1, new CC chemokine 4, small inducible cytokine A16, small inducible cytokine subfamily A (Cys-Cys), member 16		
Description:	<p>Recombinant Human CCL16 is a single non-glycosylated polypeptide chain containing 97 amino acids.</p> <p>Background: CCL16 or HCC-4, also named NCC-4, liver-expressed chemokine (LEC), and lymphocyte and monocyte chemoattractant (LMC), is a novel CC chemokine identified through bioinformatics. HCC-4 cDNA encodes a 120 amino acid (aa) residue precursor protein with a 23 aa residue predicted signal peptide that is cleaved to generate a 97 aa residue mature protein. HCC-4 is distantly related to other CC chemokines, exhibiting less than 30% sequence identity. Among these CC chemokines, HCC-4 has the most similarity to HCC-1. Two potential polyadenylation signals are present on the human HCC-4 gene, and as a result, two transcripts containing approximately 1500 base pairs and 500 base pairs have been detected. 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 highly upregulated in the presence of IL-10.</p>		
Gene ID:	6360		
Protein Accession No:	NP_004581		
Source:	<i>E. Coli</i>		
Molecular Weight:	11.2 kDa		
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.		
Purity:	>97% by SDS-PAGE and HPLC		
Endotoxin Level:	Less than 1EU/µg of rHuHCC-4/CCL16 as determined by LAL method.		
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ determined by a chemotaxis bioassay using human monocytes is in a concentration range of 10-100 ng/ml.		
Amino Acid Sequence:	QPKVPEWVNT PSTCCLKYYE KVLPRRLVVG YRKALNCHLP AIFVTKRNR EVCTNPNDW VQEYIKDPNL PLLPTRNLST VKIITAKNGQ PQLLNSQ		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/mL. Further dilutions should be made in appropriate buffered solutions.		



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Storage & Stability: Stable at 2-8°C, but best kept desiccated -20°C. Upon reconstitution, stable for up to 1 week at 2-8°C. For longer term, store in working aliquots below -20°C. **Avoid repeated freeze/thaw cycles.**

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