Datasheet for ABIN987913

CCL16 Protein

Go to Product page

Overview

Quantity:	1 mg
Target:	CCL16
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active

Product Details

Sequence:	QPKVPEWVNT PSTCCLKYYE KVLPRRLVVG YRKALNCHLP AIIFVTKRNR EVCTNPNDDW VQEYIKDPNL PLLPTRNLST VKIITAKNGQ PQLLNS
Characteristics:	Fully biologically active when compared to standard. The ED50 determined by a chemotaxis bioassay using human monocytes is less than 100 ng/ml, corresponding to a specific activity of >, 1.0 × 104 IU/mg.
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin Level:	Level Less than 1EU/µg of rHuHCC-4/CCL16 as determined by LAL method

Target Details

Target:	CCL16
Alternative Name:	HCC-4/CCL16 (CCL16 Products)
Background:	Human 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

Target Details

	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 1,500 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. Synonym: HCC-4/CCL16, Human. Formulation: Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.
Molecular Weight:	11.2 kDa, a single non-glycosylated polypeptide chain containing 97 amino acids.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 °C. Further dilutions should be made in appropriate buffered solutions.
Storage:	4 °C