9051 Mira Mesa Blvd, #910094
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HCC 1 Human

HCC-1 Human Recombinant (CCL14)
CHK0065

Product Overview

Name	HCC 1 Human
Description	
HCC-1 Human Recombinant (CCL14)	
Accession (Primary)	Q16627
Synonyms	
Small inducible cytokine A14, CCL14, Chemokine CC-1/CC-3, HCC-1/HCC-3, HCC-1(1-74), NCC-2, chemokine (C-C motif) ligand 14, CC-1, CC-3, CKb1, MCIF, SY14, HCC-1, HCC-3, SCYL2, SCYA14.	
Introduction	
Chemokine (C-C motif) ligand 14 (CCL14) is a small cytokine belonging to the CC chemokine family. It is also commonly known as HCC-1. It is produced as a protein precursor that is procesed to generate a mature active protein containing 74 amino acids that and is 46% identical in amino acid composition to CCL3 and CCL4. This chemokine is expressed in various tissues including spleen, bone marrow, liver, muscle, and gut. CCL13 activates monocytes, but does not induce their chemotaxis. Human CCL13 is located on chromosome 17 within a cluster of other chemokines belonging to the CC family.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The CCL14 protein was lyophilized with 20mM PBS pH-7.4 and 150mM NaCl.	
Stability	
Lyophilized HCC1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL14 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
TESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHS VCTNPSDKWVQDYIKDMKEN.	

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Biological Activity

The Biological activity is calculated by its ability to chemoattract Human monocytes at 5-20ng/ml corresponding to a Specific Activity of 50,000-200,000IU/mg.

Solubility

It is recommended to reconstitute the lyophilized HCC-1 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

HCC 1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q16627)