Product Data Sheet

Product Name:	HCC 1 Human
Cat. No.:	GP21122
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped at Room temp.
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.		
Amino Acid Sequence	TESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPSDKWVQDYIKDMKEN.		
Solubility	It is recommended to reconstitute the lyophilized HCC-1 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The CCL14 protein was lyophilized with 20mM PBS pH-7.4 and 150mM NaCl.		

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.

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.

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.

Background

HCC-1 Human Recombinant produced in E.Coli is a single,non-glycosylated, polypeptide chain containing 72 amino acids and having a molecular mass of 8411 Dalton. The HCC-1 is purified by proprietary chromatographic techniques.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA