

## Recombinant Human HCC-1

CATALOG #:	4110-10	10 µg
	4110-1000	1 mg
LOT #:		
SOURCE:	<i>E. coli</i>	
PURITY:	> 97 % by SDS-PAGE and HPLC analysis Endotoxin level is <0.1 ng per µg of HCC-1.	
MOL. WEIGHT:	8.4 kDa	
FORMULATION:	Sterile filtered and lyophilized from 20 mM PBS, pH 7.4 and 150 mM NaCl	

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of ≥ 100 µg/ml.

### STORAGE CONDITIONS:

Reconstituted HCC-1 should be stored at working aliquots at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles

### DESCRIPTION:

Human Herpatocellular Carcinoma (HCC-1), also commonly known as Chemokine (C-C motif) ligand 14 (CCL14) is a small cytokine belonging to the CC chemokine family. HCC-1 has a 46 % amino acid sequence identity with MIP-1 alpha and MIP-1 beta. 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. It was purified by proprietary chromatographic techniques.

### AMINO ACID SEQUENCE:

TESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPSPDKWVQDYIKDMKEN.

### BIOLOGICAL ACTIVITY:

The biological activity of HCC-1 was calculated by its ability to chemoattract human monocytes at 5 – 20 ng/ml.

**FOR RESEARCH USE ONLY! Not to be used in humans.**

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