

DATASHEET
Version 20181206**HCC-1/CCL14, Human****Cat. No.:** Z02837-1**Size:** 1.0 mg**Synonyms:** Hemofiltrate CC Chemokine-1/CCL14, Human;**Description:**

HCC-1 is a CC chemokine that signals through the CCR1 receptor and chemoattracts blood monocytes. It is secreted by various tissues including skeletal muscle, heart, spleen, liver and bone marrow.

Amino Acid Sequence:

00001 TESSSRGPYH PSECCFTYTT YKIPRQRIMD YYETNSQCSK
00041 PGIVFITKRG HSVCTNPSDK WVQDYIKDMK EN

Source: *E. coli***Species:** Human**Biological Activity:** Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration of 5.0-20 ng/ml.**Molecular Weight:** Approximately 8.4 kDa, a single non-glycosylated polypeptide chain containing 72 amino acids.**Formulation:** Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl.**Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.**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.**Purity:** > 96 % by SDS-PAGE and HPLC analyses.**Endotoxin Level:** Less than 1 EU/µg of rHuHCC-1/CCL14 as determined by LAL method.**Storage:** This lyophilized preparation is stable at 2-8°C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.