# CCL14
# Recombinant Human Chemokine (CC motif) Ligand 14

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| **Catalog No.** | CRH100A | **Quantity:** | 2 µg |
| | CRH100B | | 10 µg |
| | CRH100C | | 1.0 mg |

**Alternate Names:** HCC-1, CC-1, CC-3, CKb1, HCC-3, MCIF, NCC2, SCYA14, SCTL2, SY14

**Gene ID:** 6358

**Protein Accession No:** Q16627

**Description:** Recombinant Human CCL14 is a single, non-glycosylated polypeptide chain containing 72 amino acids.
Background: HCC-1/CCL14 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.

It is a single non-glycosylated polypeptide chain containing 72 amino acids.

**Source:** *E. coli*

**Molecular Weight:** 8.4 kDa

**Formulation:** Lyophilized from a sterile filtered solution containing 20 mM PBS, pH 7.4 + 100 mM NaCl

**Purity:** > 96% as determined by HPLC and SDS-PAGE analyses

**Endotoxin Level:** Less than 1EU/µg as determined by LAL method.

**Biological Activity:** Fully biologically active when compared to standard. The $ED_{50}$ determined by a chemotaxis bioassay using human monocytes is in a concentration of 5.0-20 ng/ml.

**Amino Acid Sequence:** TESSSRGPYH PSECCFTYTT YKIPRQRIMD YYETNSQCSK PGIVFITKRG HSVCTNPSDK WVQDYIKDMK EN

**Reconstitution:** **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

**Storage & Stability:** This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2 -4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

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