

# Growth Factor Data Sheet

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CCL14 is a chemokine containing four conserved cysteine residues, of which the first two are adjacent. It is expressed in plasma at high levels, and in spleen, liver, muscle, gut, and bone marrow tissue at lower levels. CCL14 causes a change in intracellular calcium levels and enzyme release in monocytes. It also enhances proliferation of myeloid progenitor cells that express CD34. CCL14 is a ligand for CCR1. This recombinant protein is N-terminally truncated CCL14 [9-74]. This natural variant causes a change in intracellular calcium levels in and is chemotactic for T-cells, monocytes, and eosinophils. It also inhibits HIV-1 isolates and is a ligand for CCR1, CCR3, and CCR5.

<b>Catalog Number</b>	<b>2140-14A</b>
<b>Product Name</b>	<b>CCL14 (66 a.a.), Human</b> Recombinant Human Chemokine (C-C motif) Ligand 14 (CCL14, CCL14a) Hemofiltrate CC Chemokine 1 (HCC1) Small Inducible Cytokine Subfamily A Member 14 (SCYA14) New CC Chemokine 2 (NCC2)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~7.8 kDa (66 amino acids)
<b>Sequence</b>	GPYHPSECCF TYTTYKIPRQ RIMDYETNS QCSKPGIVFI TKRGHSVCTN PSDKWVQDYI KDMKEN
<b>Accession Number</b>	<a href="#">Q16627</a>
<b>Purity</b>	>95% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	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.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
<b>Reconstitution</b>	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.