

HCC-1 Human Recombinant (CCL14)

Item Number	rAP-0167
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.
Description	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.
Uniprot Accession Number	Q16627
Amino Acid Sequence	TESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCT-NPSDKWVQDYIKDMKEN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The CCL14 protein was lyophilized with 20mM PBS pH-7.4 and 150mM NaCl. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized HCC-1 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**