Recombinant Human HCC-1

20190319BB

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**100-034S**
Size:	2 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	*6358*
Synonyms:	CCL14; CC-1; CC-3; CKB1; MCIF; NCC2; SY14; HCC-1; HCC-3; NCC-2; SCYL2; SCYA14; HCC-1(1-74);

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, bone marrow and plasma. Mature HCC-1 is found in four different forms, which are distinguished by differential N-terminal truncation and contain 74, 72, 71, or 66 amino acid residues.-- Recombinant Human HCC-1 (CCL14) is a 7.8 kDa protein consisting of 66 amino acids, including the four highly conserved residues present in CC chemokines.

Sequence

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GPYHPSECCF TYTTYKIPRQ RIMDYYETNS QCSKPGIVFI
TKRGHSVCTN PSDKWVQDYI KDMKEN
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Database References

Protein RefSeq:	NP_116739
Uniprot ID:	Q16627
mRNA RefSeq:	NM_032963

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	66
MW:	8.4 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/m. *Do not vortex*. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Determined by its ability to chemoattract human monocytes using a concentration range of 5.0-20.0 ng/ml.