

Recombinant Human CCL14/HCC-1/HCC-3 Protein

Catalog No.: RP01940 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	6358	Q16627

Tags

C-His

Synonyms

CCL14; NCC2; SCYA14; C-C motif chemokine 14; Chemokine CC-1/CC-3; HCC-1/HCC-3; HCC-1(1-74); NCC-2; Small-inducible cytokine A14; Cleaved into: HCC-1(3-74); HCC-1(4-74); HCC-1(9-74)

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
9.51 kDa	14-16 kDa

Endotoxin

<0.01EU/ug of the protein by LAL method

Formulation

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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Background

Chemokine (C-C motif) Ligand 14 (CCL14) is a small cytokine belonging to the CC chemokine family. It is produced as a protein precursor that is processed to generate a mature active protein containing 74 amino acids that is 46% identical in amino acid composition to CCL3 and CCL4. This chemokine is expressed in various tissues including spleen, bone marrow, liver, muscle, and gut. CCL14 activates monocytes, but does not induce their chemotaxis. Human CCL14 is located on chromosome 17 within a cluster of other chemokines belonging to the CC family.

Basic Information

Description

Recombinant Recombinant Human CCL14/HCC-1/HCC-3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Thr20-Asn93) of Human CCL14/HCC-1/HCC-3 (Accession #NP_116739.1) fused with His tag at the C-terminus.

Bio-Activity

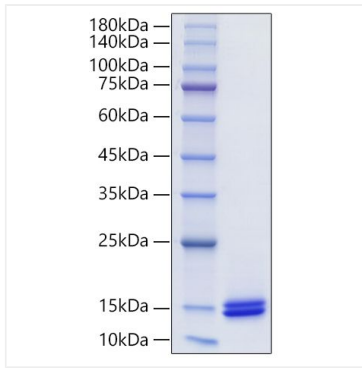
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.



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Validation Data



Recombinant Human CCL14/HCC-1/HCC-3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 12-20 kDa.