

## Recombinant Human Chemokine (C-C Motif) Ligand 21, His-tagged

**Cat. No.** CCL-329H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant Human CCL21 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | CCL21 is member of the chemokine superfamily and the subfamily of CC chemokines that has an aspartate-cysteine-cysteine-leucine motif near its amino-terminus. This protein is involved in the inhibition of hemopoiesis and stimulates chemotaxis. CCL21 is chemotactic in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. It may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. Recombinant CCL21 protein was expressed in E. coli and purified by using conventional chromatography techniques. |
| <b>Form</b>             | Supplied as a liquid in 20mM Tris buffer, pH 8.0, containing 10% glycerol and 1mM DTT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 14.5 kDa (132aa), confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | 24-134 amino acids: MGSSHHHHHH SSGLVPRGSH MSDGGAQDCC LKYSQRKIPA KVVRSYRKQE PSLGCSIPAI LFLPRKRSQA ELCADPKELW VQQLMQHLDK TPSPQKPAQG CRKDRGASKT GKKGKSGSKG KRTERSQTPK GP                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | >90% pure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>             | Store at 4oC for short term storage (1-2 weeks). Aliquot and store at -20oC or - 70oC for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>       | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>           | CCL21 chemokine (C-C motif) ligand 21 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>     | CCL21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>            | CCL21; chemokine (C-C motif) ligand 21; SCYA21, small inducible cytokine subfamily A (Cys Cys), member 21; C-C motif chemokine 21; 6Ckine; beta chemokine exodus 2; CKb9; ECL; Efficient Chemoattractant for Lymphocytes; exodus 2; secondary lymphoid tissue chemokine; SLC; TCA4; exodus-2; beta chemokine exodus-2; beta-chemokine exodus-2; small-inducible cytokine A21; secondary lymphoid-tissue chemokine; small inducible cytokine subfamily A (Cys-Cys), member 21; SCYA21; MGC34555; |
| <b>Gene ID</b>             | 6366                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_002989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | NP_002980                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | 602737                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | O00585                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 9p13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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**Pathway**

Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem;

**Function**

CCR7 chemokine receptor binding; chemokine activity; chemokine activity;

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