

# 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 GKKGKGSKGC 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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