

# Active Recombinant Human Chemokine (C-C Motif) Ligand 21, HlgG1 Fc-tagged

**Cat. No.** CCL21-124H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	The extracellular domain of human CCL21 (AAH27918.1)(Ser24-Pro134) is fused to the N-terminus of the Fc region of human IgG1 was expressed in CHO cell
<b>Species</b>	Human
<b>Source</b>	CHO
<b>ProteinLength</b>	24-134 a.a.
<b>Description</b>	This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. Similar to other chemokines the protein encoded by this gene inhibits hemopoiesis and stimulates chemotaxis. This protein is chemotactic in vitro for thymocytes and activated T cells, but not for B cells, macrophages, or neutrophils. The cytokine encoded by this gene may also play a role in mediating homing of lymphocytes to secondary lymphoid organs. It is a high affinity functional ligand for chemokine receptor 7 that is expressed on T and B lymphocytes and a known receptor for another member of the cytokine family (small inducible cytokine A19)
<b>Form</b>	Lyophilized from 0.2µm-filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to chemoattract 5-10 day cultured human peripheral blood

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	lymphocytes (PBL).
<b>Molecular Mass</b>	38KDa (monomer)
<b>AA Sequence</b>	Ser24-Pro134
<b>Endotoxin</b>	<0.06 eu/μg="" as="" determined="" by="" lal="" test="">
<b>Purity</b>	>98%, by SDS-PAGE under reducing conditions.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Reconstitution</b>	Reconstitute at 100μg/ml in sterile PBS.
<b>Warning</b>	Avoid freeze/thaw cycles.

## GENE INFORMATION

<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;

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<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
<b>Pathway</b>	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;
<b>Function</b>	CCR7 chemokine receptor binding; chemokine activity; chemokine activity;

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