

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

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

SPECIFICATION

Product Overview	Purified recombinant Human CCL21 protein.
Species	Human
Source	E.coli
Description	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.
Form	Supplied as a liquid in 20mM Tris buffer, pH 8.0, containing 10% glycerol and 1mM DTT.
Molecular Mass	14.5 kDa (132aa), confirmed by MALDI-TOF.
AA Sequence	24-134 amino acids: MGSSHHHHHH SSGLVPRGSH MSDGGAQDCC LKYSQRKIPA KVVRSYRKQE PSLGCSIPAI LFLPRKRSQA ELCADPKELW VQQLMQHLDK TPSPQKPAQG CRKDRGASKT GKKGKSGSKG KRTERSQTPK GP
Purity	>90% pure

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Storage	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.
Concentration	0.5 mg/ml
GENE INFORMATION	
Gene Name	CCL21 chemokine (C-C motif) ligand 21 [Homo sapiens]
Official Symbol	CCL21
Synonyms	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;
Gene ID	6366
mRNA Refseq	NM_002989
Protein Refseq	NP_002980
MIM	602737
UniProt ID	O00585
Chromosome Location	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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