

Active Recombinant Human CCL21 Protein

Cat. No. CCL21-0625H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CCL21 (O00585, 1 a.a. - 134 a.a.) full-length recombinant protein. expressed in Escherichia coli.
Species	Human
Source	E.coli
Description	This antimicrobial 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). [provided by RefSeq, Sep 2014]
Form	Lyophilized
Bio-activity	Determined by its ability to chemoattract total lymphocyte population using a concentration range of 10.0-100.0 ng/mL.
Molecular Mass	12 kDa

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AA Sequence	MAQSLALSLILVLAFGIPRTQGSDGGAQDCCLKYSQRKIPAKVVRSYRKQEPSLGC SIPAILFLPRKRSQAELCADPKELWVQQLMQHLDKTPSPQKPAQGCRKDRGASKTG KKGKGSKGCKRTERSQTPKGP
Endotoxin	< 0.1 ng/μg (1 EU/μg)
Purity	> 90% by SDS-PAGE and HPLC
Applications	Functional Study SDS-PAGE
Storage	Store at -20 centigrade on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4 centigrade for 1 month or store at -20 centigrade for 6 months. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	Lyophilized from 2.5% glycine, 0.5% sucrose, 0.01% Tween 80, 5 mM Glutamic acid, pH 4.5

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;

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Gene ID	6366
mRNA Refseq	NM_002989
Protein Refseq	NP_002980
MIM	602737
UniProt ID	O00585

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