

Bioactive

CCL21 (Human) Recombinant Protein

Catalog # P9448

Size 20 ug

Specification

Product Description	Human CCL21 (O00585, 24 a.a. - 134 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	SDGGAQDCCLKYSQRKIPAKVVRSYRKQEPSLGCSIPAILFLPRKRSQAELCADPKELWVQQLMQHLDKTPSPQKPAQGCRKDRGASKTGKKGKGSGKCRKTERSQTPKGP
Host	Escherichia coli
Theoretical MW (kDa)	12.2
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 97.0% by SDS-PAGE
Activity	The Biological activity is 10 - 100 ng/mL, was determined by the ability to chemoattract human total lymphocyte population.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CCL21

Entrez GeneID [6366](#)

Protein Accession# [O00585](#)

Gene Name CCL21

Gene Alias 6Ckine, CKb9, ECL, MGC34555, SCYA21, SLC, TCA4

Gene Description chemokine (C-C motif) ligand 21

Omim ID [602737](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 (CCR7) 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]

Other Designations Efficient Chemoattractant for Lymphocytes|OTTHUMP00000000526|OTTHUMP00000000527|OTTHUMP000000021304|beta chemokine exodus-2|exodus-2|secondary lymphoid tissue chemokine|small inducible cytokine A21|small inducible cytokine subfamily A (Cys-Cys), member 21

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Wegener Granulomatosis](#)