

## Product datasheet for **MC209193**

### **Ccl21a (NM\_011124) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccl21a (NM_011124) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ccl21a
Synonyms:	6CKBAC2; 6Ckine; ALP; AW987545; CKb9; plt; Scya21; SCYA21a; Scya21b; SLC; Tca4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209193 representing NM_011124 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCAGATGATGACTCTGAGCCTCCTTAGCCTGGTCTGGCTCTCTGCATCCCCTGGACCAAGGCA  
GTGATGGAGGGGGTCAGGACTGCTGCCTTAAGTACAGCCAGAAGAAAATCCCTACAGTATTGTCCGAGG  
CTATAGGAAGCAAGAACCAAGTTTAGGCTGTCCATCCCGCAATCCTGTTCTCACCCGGAAGCACTCT  
AAGCCTGAGCTATGTCAAACCCTGAGGAAGGCTGGGTGCAGAACCTGATGCGCCGCTGGACCAGCCTC  
CAGCCCCAGGAAACAAAGCCCCGGCTGCAGGAAGAACCAGGGAACCTTAAGTCTGAAAGAAAGGAAA  
GGCTCCAAGGGCTGCAAGAGAAGTGAACAGACACAGCCCTCAAGAGGA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja2345\\_a09.zip](https://cdn.origene.com/chromatograms/ja2345_a09.zip)

Restriction Sites: SgfI-MluI

ACCN: NM\_011124

Insert Size: 402 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [BC087957](#), [AAH87957](#)

**RefSeq Size:** 868 bp

**RefSeq ORF:** 402 bp

**Locus ID:** 18829

**UniProt ID:** [P84444](#)

**Cytogenetics:** 4 22.81 cM

**Gene Summary:** Inhibits hemopoiesis and stimulates chemotaxis. Chemotactic in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Potent mesangial cell chemoattractant. Shows preferential activity towards naive T-cells. May play a role in mediating homing of lymphocytes to secondary lymphoid organs.[UniProtKB/Swiss-Prot Function]