

Product datasheet for MR200395

Ccl19 (BC051472) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccl19 (BC051472) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ccl19
Synonyms: ELC, MIP3B, exodus-3, CKb11
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200395 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCCGTGTGACCCCACTCCTGGCCTTCAGCCTGCTGGTTCTCTGGACCTTCCCAGCCCCAACTC
 TGGGGGTGCTAATGATGCGGAAGACTGCTGCCTGTCTGTGACCCAGCGCCCCATCCCTGGGAACATCGT
 GAAAGCCTCCGCTACCTTCTTAATGAAGATGGCTGCAGGGTGCCTGCTGTTGTGTTCCACACACTAAGG
 GGCTATCAGCTCTGTGCACCTCCTGACCAGCCCTGGGTGGATCGCATCATCCGAAGACTGAAGAAGTCTT
 CTGCCAAGAACAAGGCAACAGCACCAGAAGGAGCCCTGTGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200395 protein sequence
 Red=Cloning site Green=Tags(s)

MAPRVTPLLAFSLLVLTWTFPAPTLGGANDAEDCLSVTQRPPIGNIVKAFRYLLNEDGCRVPAVVFITLR
 GYQLCAPPDQPWVDRIIRRLKSSAKNKGNSRRSPVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: BC051472

ORF Size: 324 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC051472](#), [AAH51472](#)

RefSeq Size: 734 bp

RefSeq ORF: 326 bp

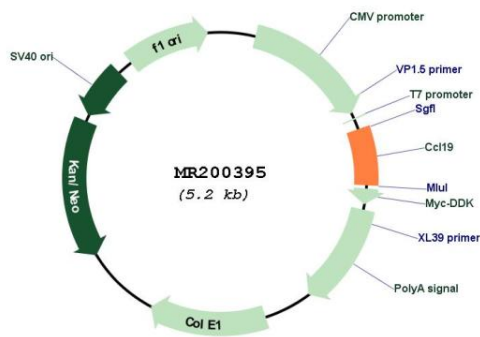
Locus ID: 24047

Cytogenetics: 4 A5

MW: 11.9 kDa

Gene Summary: Strongly chemotactic for naive (L-selectin^{hi}) CD4 T-cells and for CD8 T-cells and weakly attractive for resting B-cells and memory (L-selectin^{lo}) CD4 T-cells. May play a role in promoting encounters between recirculating T-cells and dendritic cells and in the migration of activated B-cells into the T-zone of secondary lymphoid tissues. Binds to chemokine receptor CCR7. Binds to atypical chemokine receptor ACKR4 and mediates the recruitment of beta-arrestin (ARRB1/2) to ACKR4.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200395