

Product datasheet for RC210003L2

OriGene Technologies, Inc.

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CCR4 (NM_005508) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CCR4 (NM_005508) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: CCR4

Synonyms: CC-CKR-4; CD194; ChemR13; CKR4; CMKBR4; HGCN:14099; K5-5

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

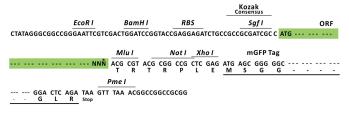
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC210003).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_005508

ORF Size: 1080 bp



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 customport@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. <u>More info</u>

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:

Cytogenetics:

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: NM 005508.4

 RefSeq Size:
 1657 bp

 RefSeq ORF:
 1083 bp

 Locus ID:
 1233

 UniProt ID:
 P51679

Protein Families: Druggable Genome, GPCR, Transmembrane

3p22.3

Protein Pathways: Chemokine signaling pathway, Cytokine-cytokine receptor interaction

MW: 41.4 kDa

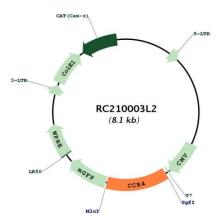
Gene Summary: The protein encoded by this gene belongs to the G-protein-coupled receptor family . It is a

receptor for the CC chemokine - MIP-1, RANTES, TARC and MCP-1. Chemokines are a group of small polypeptide, structurally related molecules that regulate cell trafficking of various types of leukocytes. The chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis. [provided by

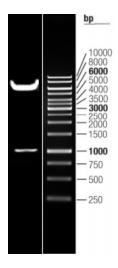
RefSeq, Jul 2008]



Product images:



Circular map for RC210003L2



Double digestion of RC210003L2 using Sgfl and Mlul $\,$