

## Product datasheet for **SC335699**

### CCR7 (NM\_001301716) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCR7 (NM_001301716) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCR7
Synonyms:	BLR2; CC-CKR-7; CCR-7; CD197; CDw197; CMKBR7; EBI1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335699 representing NM_001301716. Blue=Insert sequence Red=Cloning site Green=Tag(s)

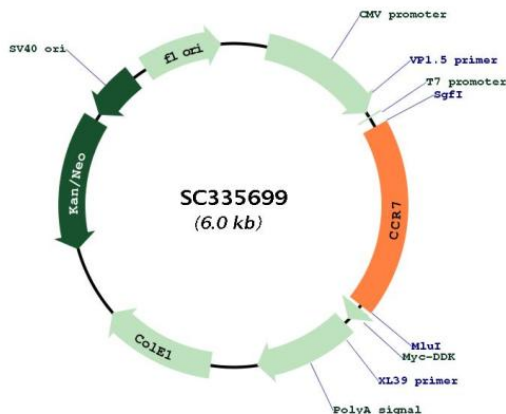
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAAGCGTGTGGTGGTCTCCTTGTCTTTCCAGGTATGCCTGTGTCAAGATGAGGTACAG
GACGATTACATCGGAGACAACACCACAGTGGACTACACTTTGTTTCGAGTCTTTGTGCTCCAAGAAGGAC
GTGCGGAACCTTAAAGCCTGGTTCCTCCATCATGTACTCCATCATTTGTTTCGTGGGCTACTGGGC
AATGGGCTGGTGTGACCTATATCTATTTCAAGAGGCTCAAGACCATGACCGATACCTACCTGCTC
AACCTGGCGGTGGCAGACATCCTTCTCCTGACCCCTCCCTTCTGGGCTACAGCGCGCCAAGTCC
TGGGTCTTCGGTGTCCACTTTTGAAGCTCATCTTTGCCATCTACAAGATGAGCTTCTTCAGTGGCATG
CTCCTACTTCTTTCATCAGCATTGACCGCTACGTGGCCATCGTCCAGGCTGTCTCAGCTACCGCCAC
CGTGCCCGCGTCTTCTCATCAGCAAGCTGTCTGTGGGCTCTGGATACTAGCCACAGTGTCTCTCC
ATCCCAGAGCTCCTGTACAGTGACCTCCAGAGGAGCAGCAGTGAAGCAAGCGATGCGATGCTCTCTC
ACAGAGCATGTGGAGGCTTTATCACCATCCAGGTGGCCAGATGGTGTTCGGTCTTCTGGTCCCGCTG
CTGGCCATGAGCTTCTGTACCTTGTATCATCCGCACCTGCTCCAGGCACGCAACTTTGAGCGCAAC
AAGGCCATCAAGGTGATCATCGCTGTGGTGTGGTCTTTCATAGTCTTCCAGCTGCCCTACAATGGGGT
GTCCTGGCCAGACGGTGGCAACTTCAACATCACCAGTAGCACCTGTGAGCTCAGTAAGCAACTCAAC
ATCGCCTACGACGTACCTACAGCCTGGCCTGCGTCCGCTGCGTCAACCCCTTTCTTGTACGCTTC
ATCGGCGTCAAGTTCGCAACGATCTTCAAGCTCTTCAAGGACCTGGGCTGCCTCAGCCAGGAGCAG
CTCCGGCAGTGGTCTTCTGTGCGCACATCCGGGCTCCTCCATGAGTGTGGAGGCCGAGACCACCACC
ACCTTCTCCCATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001301716

Insert Size: 1119 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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: [NM\\_001301716.1](#)

RefSeq Size: 2457 bp

RefSeq ORF: 1119 bp

Locus ID: 1236

UniProt ID: [P32248](#)

Cytogenetics: 17q21.2

Protein Families: Druggable Genome, GPCR, Transmembrane

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

**MW:** 42.2 kDa

**Gene Summary:** The protein encoded by this gene is a member of the G protein-coupled receptor family. This receptor was identified as a gene induced by the Epstein-Barr virus (EBV), and is thought to be a mediator of EBV effects on B lymphocytes. This receptor is expressed in various lymphoid tissues and activates B and T lymphocytes. It has been shown to control the migration of memory T cells to inflamed tissues, as well as stimulate dendritic cell maturation. The chemokine (C-C motif) ligand 19 (CCL19/ECL) has been reported to be a specific ligand of this receptor. Signals mediated by this receptor regulate T cell homeostasis in lymph nodes, and may also function in the activation and polarization of T cells, and in chronic inflammation pathogenesis. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Sep 2014]

Transcript Variant: This variant (3) contains an alternate 5' terminal exon, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Variants 3, 4 and 5 all encode isoform c.