

## Product datasheet for RC237807

### CCR7 (NM\_001301718) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CCR7 (NM\_001301718) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CCR7  
**Synonyms:** BLR2; CC-CKR-7; CCR-7; CD197; CDw197; CMKBR7; EBI1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237807 representing NM\_001301718  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAAAGCGTGGTGGTGGCTCTCCTTGTCATTTCCAGGTATGCCTGTGTCAAGATGAGGTCACGG  
 ACGATTACATCGGAGACAACACCACAGTGGACTACACTTTGTTTCGAGTCTTTGTGCTCCAAGAAGGACGT  
 GCGGAACTTAAAGCCTGGTTCCTCCCTATCATGTACTCCATCATTGTTTCGTGGCCCTACTGGGCAAT  
 GGGCTGGTCGTGTGACCTATATCTATTCAAGAGGCTCAAGACCATGACCGATACCTACCTGCTCAACC  
 TGGCGGTGGCAGACATCCTCTTCTCCTGACCCCTCCCTTCTGGGCCCTACAGCGCGGCAAGTCCTGGGT  
 CTTTCGGTGTCCACTTTTGAAGCTCATCTTTGCCATCTACAAGATGAGCTTCTTCAGTGGCATGCTCCTA  
 CTTCTTTGCATCAGCATTGACCGCTACGTGGCCATCGTCCAGGCTGTCTCAGCTCACCGCCACCGTGCC  
 GCGTCTTCTCATCAGCAAGCTGTCTGTGTGGGCATCTGGATACTAGCCACAGTGTCTCCATCCCAGA  
 GTCCTGTACAGTGACCTCCAGAGGAGCAGCAGTGAGCAAGCGATGCGATGCTCTCTCATCACAGAGCAT  
 GTGGAGGCCTTTATCACCATCCAGTGGCCAGATGGTGATCGGCTTTCTGGTCCCCTGCTGGCCATGA  
 GCTTCTGTTACCTTGTCATCATCCGACCCCTGCTCCAGGCAGCAACTTTGAGCGCAACAAGGCCATCAA  
 GGTGATCATCGCTGTGGTGGTCTTTCATAGTCTTCCAGTGGCCCTACAATGGGGTGGTCTGGCCAG  
 ACGGTGGCCAACCTCAACATCACAGTAGCACCTGTGAGCTCAGTAAGCAACTCAACATCGCCTACGACG  
 TCACCTACAGCCTGGCCTGCGTCCGCTGCTGCGTCAACCCCTTCTGTACGCTTTCATCGGCGTCAAGTT  
 CCGCAACGATCTTCAAGCTCTTCAAGGACCTGGGCTGCCTCAGCCAGGAGCAGCTCCGGCAGTGGTCT  
 TCCTGTCCGCACATCCGGCGCTCCTCCATGAGTGTGGAGGCCGAGACCACCACCTTCTCCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237807 representing NM\_001301718  
 Red=Cloning site Green=Tags(s)

MKSVLVVALLVIFQVCLCQDEVTDDYIGDNTTVDYTLFESLCSKKDVRNFKAWFLPIMYSIICFVGLLGN  
 GLVVLTYIYFKRLKMTDITYLLNLAVADILFLLTLPFWAYSAAKSWVFGVHFCKLIFAIYKMSFFSGMLL  
 LLCISIDRYVAIVQAVSAHRHRARVLLISKLSCVGIWILATVLSIPELLYSDLQRSSEQAMRCSLITEH  
 VEAFITIQVAQMVIQVGLVPLLAMSFICYLVIIRTLQARNFERNKAIKVIIAVVVVFIVFQLPYNGVVLAQ  
 TVANFNITSSTCELSKQLNIAYDVTYSLACVRCVNPFLYAFIGVKFRNDFKLFKDLGCLSQEQLRQWS  
 SCRHIRRSMSSVEAETTTTFSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

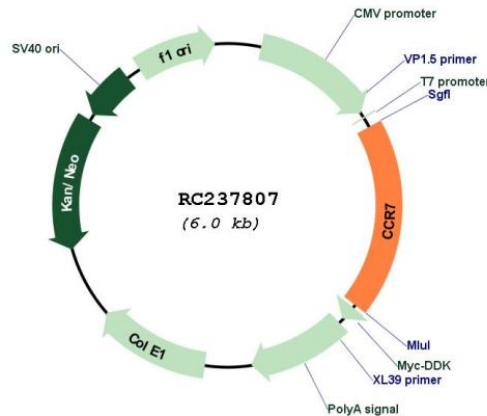
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001301718

<b>ORF Size:</b>	1116 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001301718.1</a> , <a href="#">NP_001288647.1</a>
<b>RefSeq Size:</b>	2303 bp
<b>RefSeq ORF:</b>	1119 bp
<b>Locus ID:</b>	1236
<b>UniProt ID:</b>	<a href="#">P32248</a>
<b>Cytogenetics:</b>	17q21.2
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Chemokine signaling pathway, Cytokine-cytokine receptor interaction
<b>MW:</b>	42.7 kDa
<b>Gene Summary:</b>	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]