

## Product datasheet for **RG224197**

### CCR11 (ACKR4) (NM\_178445) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCR11 (ACKR4) (NM_178445) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACKR4
Synonyms:	CC-CKR-11; CCBP2; CCR-11; CCR10; CCR11; CCRL1; CCX-CKR; CCX CKR; CKR-11; PPR1; VSHK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG224197 representing NM_178445 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTTGGAACAGAACCAGTCAACAGATTATTATTATGAGGAAAATGAAATGAATGGCACTTATGACT  
ACAGTCAATATGAACTGATCTGTATCAAAGAAGATGTCAGAGAATTTGCAAAGTTTTCTCCCTGTATT  
CCTCACAATAGTTTTTCGTCATTGGACTTGCAGGCAATTCATGGTAGTGGCAATTTATGCCTATTACAAG  
AAACAGAGAACAAAACAGATGTGTACATCCTGAATTTGGCTGTAGCAGATTTACTCCTTCTATTCCTC  
TGCTTTTTGGGCTGTTAATGCAGTTCATGGGTGGTTTTAGGGAAAATAATGTGCAAAAATAACTTCAGC  
CTGTACACACTAACTTTGTCTCTGGAATGCAGTTTCTGGCTTGTATCAGCATAGACAGATATGTGGCA  
GTAATAAAGTCCCCAGCCAATCAGGAGTGGGAAAACCATGCTGGATCATCTGTTTCTGTGTCTGGATGG  
CTGCCATCTTGCTGAGCATACCCAGCTGGTTTTTATACAGTAAATGACAATGCTAGGTGCATTCAT  
TTTCCCCCGCTACCTAGGAACATCAATGAAAGCATTGATTCAAATGCTAGAGATCTGCATTGGATTTGTA  
GTACCTTTCTTATTATGGGGTGTGCTACTTTATCACAGCAAGGACACTCATGAAGTGCCAAACATTA  
AAATATCTCGACCCCTAAAAGTTCTGCTCACAGTCGTTATAGTTTTTCATTGTCACTCAACTGCCTTATA  
CATTGTCAAGTTCTGCCGAGCCATAGACATCATCTACTCCCTGATCACCAGCTGCAACATGAGCAAACGC  
ATGGACATCGCCATCAAAGTACAGAAAGCATCGCACTTTTACAGCTGCCTCAACCCAATCCTTTATG  
TTTTTATGGGAGCATCTTTCAAACACTACGTTATGAAAGTGGCCAAGAAATATGGGTCTGGAGAAGACA  
GAGACAAAGTGTGGAGGAGTTTCTTTTATTCTGAGGGTCTACAGAGCCAACCACTACTTTTAGCATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224197 representing NM\_178445  
Red=Cloning site Green=Tags(s)

MALEQNQSTDYEEENEMNGTYDYSQYELICIKEDVREFAKVFLPVFLTIVFVIGLAGNSMVVAIYAYYK  
 KQRTKTDVYILNLAVADLLLLFTLPFWAVNAVHGWVLGKIMCKITSALYTLNFVSGMQFLACISIDRYVA  
 VTKVPSQSGVGKPCWIIICFVWMAAILLSIPQLVFYTVNDNARCIPFPYRLGTSMKALIQMLEICIGFV  
 VPFLIMGVCYFITARTLMKMPNIKISRPLKVLTVVIVFIVTQLPYNIVKFCRAIDIIYSLITSCNMSKR  
 MDIAIQVTESIALFHSCLNPILYVFMGASFKNYVMKVAKKYGSWRRRQSQSVEEFPDSEGPTEPTSTFSI

TRTRPLE - GFP Tag - V

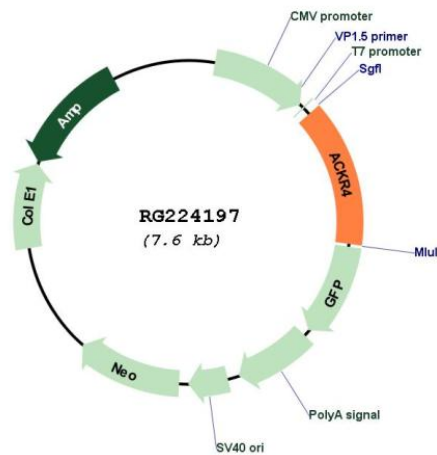
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_178445

**ORF Size:** 1050 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_178445.2</a></p>
<b>RefSeq Size:</b>	<p>2402 bp</p>
<b>RefSeq ORF:</b>	<p>1053 bp</p>
<b>Locus ID:</b>	<p>51554</p>
<b>UniProt ID:</b>	<p><a href="#">Q9NPB9</a></p>
<b>Cytogenetics:</b>	<p>3q22.1</p>
<b>Protein Families:</b>	<p>Druggable Genome, GPCR, Transmembrane</p>
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the G protein-coupled receptor family, and is a receptor for C-C type chemokines. This receptor has been shown to bind dendritic cell- and T cell-activated chemokines including CCL19/ELC, CCL21/SLC, and CCL25/TECK. A pseudogene of this gene is found on chromosome 6. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2013]</p>