

Product datasheet for **RG217036**

CCR6 (NM_004367) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCR6 (NM_004367) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCR6
Synonyms:	BN-1; C-C CKR-6; CC-CKR-6; CCR-6; CD196; CKR-L3; CKRL3; CMKBR6; DCR2; DRY6; GPR29; GPRCY4; STRL22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217036 representing NM_004367 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGGGAATCAATGAATTCAGCGATGTTTTCGACTCCAGTGAAGATTATTTGTGTCAGTCAATA
CTTCATATACTCAGTTGATTCTGAGATGTTACTGTGCTCCTTGCAGGAGGTGAGCAGTTCTCCAGGCT
ATTTGTACCGATTGCCTACTCCTTGATCTGTGTCTTTGGCCTCCTGGGAATATTCTGGTGGTGATCACC
TTTGCTTTTTATAAGAAGGCCAGGTCTATGACAGACGTCTATCTTTGAACATGGCCATTGCAGACATCC
TCTTTGTTCTTACTCTCCATTCTGGGCAGTGAGTCATGCCACCGGTGCGTGGGTTTTAGCAATGCCAC
GTGCAAGTTGCTAAAAGGCATCTATGCCATCAACTTTAACTGCGGGATGCTGCTCCTGACTTGCATTAGC
ATGGACCGGTACATCGCCATTGTACAGGCGACTAAGTCATTCCGGCTCCGATCCAGAACACTACCGCGCA
GCAAAATCATCTGCCTTGTGTGTGGGGCTGTCAGTCATCATCTCCAGCTCAACTTTTGTCTTCAACCA
AAAATACAACACCAAGGCAGCGATGTCTGTGAACCCAAGTACCAGACTGTCTCGGAGCCCATCAGGTGG
AAGCTGCTGATGTTGGGGCTTGAGCTACTCTTTGGTTTCTTTATCCCTTTGATGTTTCATGATATTTGTT
ACACGTTCAATTGTCAAACCTTGGTGCAAGCTCAGAATTCATAAAGGCACAAAGCCATCCGTGTAATCAT
AGCTGTGGTGCTGTGTTCTGGCTTGTGAGATTCCTCATAACATGGTCTGCTTGTGACGGCTGCAAAAT
TTGGGTAATAAAGCAACCTCCTGCCAGAGCGAAAAGCTAATTGGCTATACGAAAAGTGTACAGAACTACTT
TGGCTTTCTGCACTGCTGCCTGAACCTGTGCTCTACGCTTTTATTGGGCAGAAGTTCAGAAACTACTT
TCTGAAGATCTTGAAGGACCTGTGGTGTGTGAGAAGGAAGTACAAGTCTCAGGCTTCTCCTGTGCCGGG
AGGTACTCAGAAAACATTTCTCGGCAGACCAAGTACGACCCAGATAACGACAATGCGTCGTCCTTCACTA
TG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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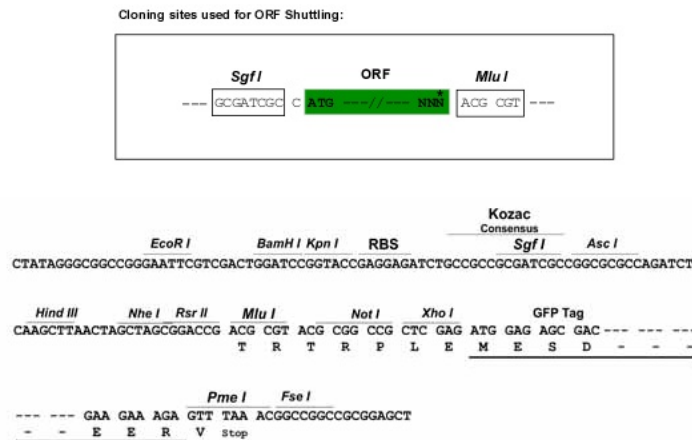
Protein Sequence: >RG217036 representing NM_004367
Red=Cloning site Green=Tags(s)

MSGESMNFSDVFDSSDYFVSVNTSYYSVDSEMLLCSLQEVRFQFVPIAYSLICVFGLLGNILVVIT
 FAFYKKARSMTDVYLLNMAIADILFVLTLPFVAVSHATGAWVFSNATCKLLKGIYAINFCGMLLLTCIS
 MDRYIAIVQATKSFRLRSRTLPRSKIICLVVWGLSVIISSSTFFVFNQKYNTQGSVDVCEPKYQTVSEPIRW
 KLLMLGLELLFGFFIPLMFMIFCYTFIVKTLVQAQNSKRHKAIRVIIAVLVFLACQIPHNMVLLVTAAN
 LGKMNRSQCSEKLIQYTKTVTEVLAFLHCLNPVLYAFIGQKFRNYFLKILKDLWCVRRKYKSSGFSCAG
 RYSENISRQTSETADNDNASSFTM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004367

ORF Size: 1122 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: [NM_004367.5](#)

RefSeq Size: 3177 bp

RefSeq ORF: 1125 bp

Locus ID: 1235

UniProt ID: [P51684](#)

Cytogenetics: 6q27

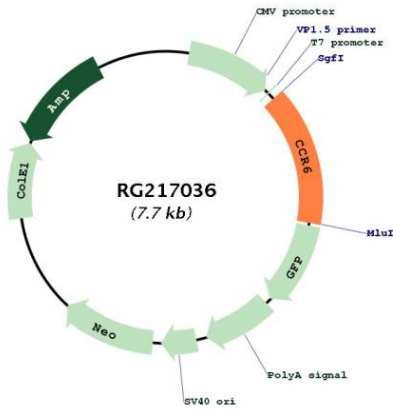
Domains: 7tm_1

Protein Families: Druggable Genome, GPCR, Transmembrane

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

Gene Summary: This gene encodes a member of the beta chemokine receptor family, which is predicted to be a seven transmembrane protein similar to G protein-coupled receptors. The gene is preferentially expressed by immature dendritic cells and memory T cells. The ligand of this receptor is macrophage inflammatory protein 3 alpha (MIP-3 alpha). This receptor has been shown to be important for B-lineage maturation and antigen-driven B-cell differentiation, and it may regulate the migration and recruitment of dendritic and T cells during inflammatory and immunological responses. Alternatively spliced transcript variants that encode the same protein have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG217036