

Product datasheet for **MG225737**

Ccr5 (NM_009917) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ccr5 (NM_009917) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ccr5
Synonyms: AM4-7; CD195; Cmkbr5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225737 representing NM_009917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATTTTCAAGGGTCAGTTCGACCTATAGCTATGACATCGATTATGGTATGTCAGCACCCCTGCCAAA
 AAATCAATGTGAAACAAATTGCGGCTCAGCTCCTGCCCCACTCTACTCCCTGGTATTCATCTTTGGTTT
 TGTGGTAACATGATGGTCTTCTCATCTTGATAAGCTGCAAAAAGCTGAAGAGCGTGACTGATATCTAC
 CTGCTCAACCTGGCCATCTCTGACCTGCTTCTCTGCTCACACTACCATTCTGGGCTCACTATGCTGCAA
 ATGAGTGGTCTTTGGGAACATAATGTGTAAGTATTCACAGGGCTCTATCACATTGGTTATTTTGGTGG
 AATCTTCTTATTATCCTCCTGACAATTGATAGTACTTGGCTATTGTCATGCTGTGTTTGTCTTAAAA
 GTCAGAACGGTCAACTTTGGGGTGATAACAAGTGTAGTCACTTGGGCGTGGCTGTGTTTGCCTCTCTCC
 CAGAAATAATCTTTACCAGATCTCAGAAAGAAGTTTTTATTATACATGCAGTCCCTATTTTCCACACAC
 TCAGTATCATTCTGGAAGAGTTTCAAACATTAAGATGGTCATCTTGAGCCTGATCCTGCCTCTACTT
 GTCATGGTCATCTGCTACTCAGGAATTCACACCCCTGTTTCGCTGTAGGAATGAGAAGAAGAGGCACA
 GGGCTGTGAGGCTCATCTTTGCCATCATGATTGTCTACTTTCTCTCTGGACTCCCTACAACATTGTCT
 CCTCCTGACCACCTTCCAGGAATCTTTGGACTGAATAACTGCAGTAGTTCTAATAGACTAGACCAGGCC
 ATGCAGGCAACAGAGACTCTTGAATGACACACTGCTGCCTAAACCCTGTCATATGCCTTTGTGGAG
 AGAAGTTCCGGAGTTATCTCTCAGTGTCTTCCGAAAACACATGGTCAAACGCTTTTGCAAACGGTGTT
 AATTTTCCAGCAAGACAATCCTGATCGTCAAGCTCAGTCTATACCCGATCCACAGGAGAACATGAAGT
 TCTACTGGTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225737 representing NM_009917
 Red=Cloning site Green=Tags(s)

MDFQGSVPTYSYDIDYGM SAPCQKINVKQIAAQLLPPLYSLVFI FGFVGNMMVFLILISCKKLKSVTDIY
 LLNLAISDLLFLLTLPFWAHYAANEWVFGNIMCKVFTGLYHIGYFGGIFFIILLTIDRYLAIVHAVFALK
 VRTVNFVGVITSVVTWAVAVFASLPEIIFTRSQKEGFHYTCSPHFPHTQYHFWSFQTLKMLVLSLILPLL
 VMVICYSGILHTLFRCRNEKKRHRVRLIFAIMIVYFLFWTPYNI VLLL TTFQEFFGLNNCSSNRDLQA
 MQATETLGMTHCLNPVIYAFVGEKFRSYLSVFFRKHVMVKRFCKRCSIFQQDNPDRASSVYTRSTGEHEV
 STGL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009917

ORF Size: 1062 bp

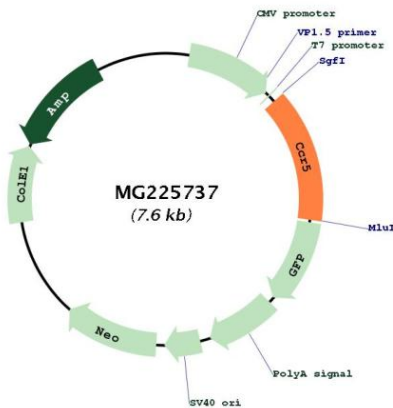
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@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. [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_009917.5](#), [NP_034047.2](#)
- RefSeq Size:** 2926 bp
- RefSeq ORF:** 1065 bp
- Locus ID:** 12774
- UniProt ID:** [P51682](#)
- Cytogenetics:** 9 75.05 cM
- Gene Summary:** Receptor for a number of inflammatory CC-chemokines including MIP-1-alpha, MIP-1-beta and RANTES and subsequently transduces a signal by increasing the intracellular calcium ion level. May play a role in the control of granulocytic lineage proliferation or differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG225737