

Product datasheet for MR225737

Ccr5 (NM_009917) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr5 (NM_009917) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccr5
Synonyms:	AM4-7; CD195; Cmkbr5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225737 representing NM_009917 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTTTCAAGGGTCAGTTCGACCTATAGCTATGACATCGATTATGGTATGTCAGCACCCCTGCCAAA
AAATCAATGTGAAACAAATTGCGGCTCAGCTCCTGCCCCACTCTACTCCCTGGTATTCATCTTTGGTTT
TGTGGTAACATGATGGTCTTCTCATCTTGATAAGCTGCAAAAAGCTGAAGAGCGTGACTGATATCTAC
CTGCTCAACCTGGCCATCTGACCTGCTTCTGCTCACACTACCATTCTGGGCTCACTATGCTGCAA
ATGAGTGGTCTTTGGGAACATAATGTGTAAGTATTCACAGGGCTCTATCACATTGGTTATTTGGTGG
AATCTTCTCATTATCCTCCTGACAATTGATAGTACTTGGCTATTGTCATGCTGTGTTTGGCTTAAAA
GTCAGAACGGTCAACTTTGGGGTGATAACAAGTGTAGTCACTTGGGCGGTGGCTGTGTTTGCCTCTCTCC
CAGAAATAATCTTTACCAGATCTCAGAAAGAAGTTTTTATTATACATGCAGTCCTCATTTTCCACACAC
TCAGTATCATTCTGGAAGAGTTTCAAACATTAAGATGGTCATCTTGAGCCTGATCCTGCCTCTACTT
GTCATGGTCATCTGCTACTCAGGAATCTCCACACCCTGTTTCGCTGTAGGAATGAGAAGAAGAGGCACA
GGGCTGTGAGGCTCATCTTTGCCATCATGATTGTCTACTTTCTCTCTGGACTCCCTACAACATTGTCT
CCTCCTGACCACCTTCCAGGAATCTTTGGACTGAATAACTGCAGTAGTTCTAATAGACTAGACCAGGCC
ATGCAGGCAACAGAGACTCTTGAATGACACACTGCTGCCTAAACCCTGTCATATGCCTTTGTTGGAG
AGAAGTTCCGGAGTTATCTCTCAGTGTCTTCCGAAAACACATGGTCAAACGCTTTTGCAAACGGTGTTC
AATTTTCCAGCAAGACAATCCTGATCGTCAAGCTCAGTCTATACCCGATCCACAGGAGAACATGAAGTT
TCTACTGGTTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR225737 representing NM_009917
Red=Cloning site Green=Tags(s)

MDFQGSVPTYSYDIDYGM SAPCQKINVKQIAAQLLPPLYSLVIFGFVGNMMVFLILISCKKLKSVTDIY
 LLNLAISDLLFLLTLPFWAHYAANEWVFGNIMCKVFTGLYHIGYFGGIFFIILLIDRYLAIVHAVFALK
 VRTVNFVGVITSVVTWAVAVFASLPEIIFTRSQKEGFHYTCSPHFPHTQYHFWSFQTLKMVILSLILPLL
 VMVICYSGILHTLFRCRNEKKRHRVRLIFAIMIVYFLFWTPYNIVLLLTTFFQEFFGLNNC SSSNRLDQA
 MQATETLGMTHCCLNPVIYAFVGEKFRSYLSVFFRKHMVKRFCKRCSIFQQDNPDRASSVYTRSTGEHEV
 STGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9019_g06.zip

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

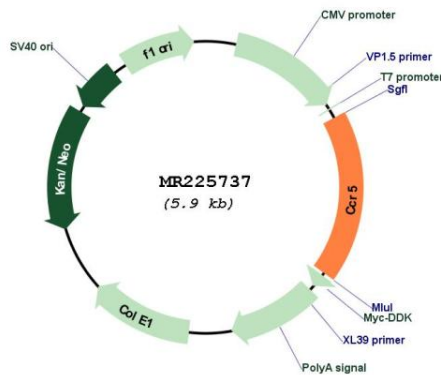
UniProt ID: [P51682](#)

Cytogenetics: 9 75.05 cM

MW: 41.2 kDa

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 MR225737