

Product datasheet for RR201795

Ccr7 (NM_199489) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr7 (NM_199489) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccr7
Synonyms:	MGC108519
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201795 representing NM_199489 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCTGGGAAGCCACGAAAAACGTGCTGGTGGTGGCTCTCCTGGTCATTTCCAGGTGTGCTTCT
GCCAAGATGAGGTCACAGACGACTACATCGGCCGAGAACCACCCTGGACTACACCCTGTATGAGTCGGT
GTGCTTCAAGAAGGATGTGCGGAACCTTAAGGCCTGGTTCCTCCCTCATGTACTCAGTCAATTTGCTTC
GTGGCCCTGCTAGGCAATGGGCTGGTGGTGTGACATACATCTATTTCAAGAGACTGAAGACCATGACGG
ATACCTACCTGCTCAACCTGGCCGTGGCAGACATCCTCTTCCTCATGATCCTTCCCTTCTGGCCCTACAG
CGAAGCCAAGTCCTGGATCTTTGGTGCCTACCTGTGTAAGAGCATCTTTGGCATCTACAAGTTAAGCTTC
TTCAGCGGGATGTTGCTGCTCCTGTGTATCAGCATTGACCGCTATGTGGCCATCGTCCAGGCCGTGTCAG
CCCACCGGCACCGCGCCCGCTGCTTCTCATCAGCAAGCTGTCCTGTATAGGCATCTGGACGCTGGCCTT
TTTCCTTTCTATCCCTGAGCTGCTCTACAGCGGCTCCAGAAGAAGCAGCGGCGAGGACACGTGGAGATGC
TCCCTGGTCAGTGCCCAAGTGGAGGCTTGATCGCCATCCAAGTGGCCAGATGGTTGTTGGGTTTGTAC
TGCCTATGCTGGCTATGAGTTTCTGCTACCTGGTTATCATCCGCACTCTGCTCCAGGCGCGAAACTTCGA
GCGGAACAAGGCCATCAAGGTGATCATCGCTGTGGTGTAGTGTTCGTCGCTTCCAGCTGCCCTACAAT
GGGTGGTCTGGCCAGACCGTGGCCAATTTCAACATCAACCAATAGCAGCTGCGAAGCCAGCAAGCAGC
TCAACATTGCCTATGACGTACCTACAGCCTGGCCTCCGCTCCGCTGCTGTGTCAACCCTTTCTTGTATGC
CTTCATCGGCGTCAAGTTCGCGACGACCTCTTCAAGCTCTTCAAGGACTTGGGCTGCTCAGCCAGGAA
CGGCTCCGGCAGTGGTCTTCTGCCCATGTACGGCACAGTCCGTGAGCATGGAGCGGAGACTACCA
CCACCTTCTCCCG

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201795 representing NM_199489
 Red=Cloning site Green=Tags(s)

MDLGKPTKNVLVALLVIFQVFCQDEVTDDYIGENTTVDYTLYESVCFKKDVRNFKAWFLPLMYSVICF
 VGLLGNGLVVLTYIYFKRLKTMDDTYLLNLAVADILFLMILPFWAYSEAKSWIFGAYLCKSIFGIYKLSF
 FSGMLLLLCISIDRYVAIVQAVSAHRHRARVLLISKLSICIGIWTLAFFLSIPELLYSGLQKNSGEDTWRC
 SLVSAQVEALIAIQVAQMVGFLPMLAMSFICYLVIIRTLQARNFERNKAIKVIIVVVVVFVFLPYN
 GVVLAQTVANFNITNSSCEASKQLNIAVDYTYSLASVRCCVNPFLYAFIGVKFRSDLFKLFDLGLCSQE
 RLRQWSSCRHVRHTSVSMEAETTTTFSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_199489

ORF Size: 1134 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_199489.4](#), [NP_955783.1](#)

RefSeq Size: 1215 bp

RefSeq ORF: 1137 bp

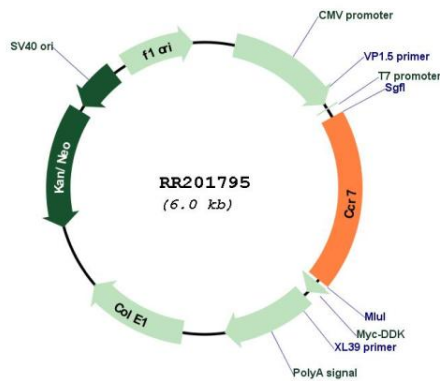
Locus ID: 287673

Cytogenetics: 10q31

MW: 42.8 kDa

Gene Summary: mouse homolog is a chemokine receptor; involved in the immune response to viruses [RGD, Feb 2006]

Product images:



Circular map for RR201795