

Product datasheet for MR224922

Ccr10 (NM_007721) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccr10 (NM_007721) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccr10
Synonyms:	Cmkbr9; Gpr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224922 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCAAGCCACAGAGCAGGTCTCCTGGGGACTTTACTCCGGGTACGATGAGGAGGCCTATTCCG
TTGGGCCCTGCCAGAGCTCTGTTACAAGGCTGATGTCCAGGCTTTCAGTCGGCCTTCCAACCCAGTGT
CTCCCTGATGGTGGCTGTACTGGTCTGGCTGGCAATGGCCTAGTCTTGGCCACCCATCTGGCAGCCAGA
CGAACTACCCGATCTCCACCTCCGTTACCTGCTCCAGTTGGCCCTGGCTGACCTTTTATTGGCCCTGA
CTTTGCCCTTTTGTGTCAGCAGGGGCTCTTCAGGGCTGGAATCTAGGAAGTACCACCTGCCGTGCCATCTC
AGGCCTCTACTCGCCTCTTTCCAGCTGGCTTCTCTTCTAGCCTGTATCAGCGCCGACCGCTATGTG
GCCATCGCACGAGCTCTCCAGCCGGCAGCGGCCCTCAACGCCTAGCCGAGCGCACTTGGTTTCAGTCT
TCGTGTGGCTGTTGTGCTGTTTCTGGCTTACCTGCGCTCCTTTTTCAGCCGGGACGGGCCACGTGAAGG
CCAACGACGCTGTGCGCTCATTTTTCCGAAAGCCTCACGCACTGTGAAAGGGCAAGCGCAGTGGCG
CAGGTGGTCTCGGCTTCGCGCTCCCTCTGGCGTCATGGCAGCCTGTTATGCGCTCCTGGGCCGACGC
TTCTGGCCGCCAGGGGCCAGAGCGGCGCGTGCCTGCGCTGCTGGATACAGCCGATCTACTGGCAGCCCGAGCGG
GGTGTGCAAGTTGCCCTACAGCCTTGCCTGCTGCTGGATACAGCCGATCTACTGGCAGCCCGAGCGG
AGCTGCTCCTCCAGCAAGCGCAAGGATCTAGCTTTGCTGGTACCAGCGGCTTGACCCCTGGTCCGTTGCA
GCCTCAATCCGGTCTTTATGCCTTTTGGCCCTGCGTTTCCCGGGACCTGCGGAGGCTGCTCCAGGG
CGGAGGATGCAGCCGAAGCCCAACCCTCGTGGCCGCTGCCCCGTCGACTCCGCCTTTCTCTGCTCT
GCTCTACTGAGACCCACAGTCTCTCTTGGGACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR224922 protein sequence
Red=Cloning site Green=Tags(s)

MGTKPTEQVSWGLYSGYDEEAYSVGPLPELCYKADVQAFSRAFQPSVSLMVAVLGLAGNGLVLATHLAAR
 RTTRSPTSVHLLQLALADLLLAL TLPFAAAGALQGWNLGSTTCRAISGLYSASFHAGFLFLACISADRYV
 AIARALPAGQRPSTPSRAHLVSFVWLLSLFLALPALLFSRDGPREGQRRCLIFPELSTQTVKGASAVA
 QVVLG FALPLGVMAACYALLGR TLLAARGPERRRALRVVVALVFAFVVLQLPYSLALLLDTADLLAARER
 SCSSSKRKDLALLVTGGLTLVRCSLNPVLYAFLGLRFRRDLRRLQLQGGCSPKPNPRGRCPRRRLSSCS
 APTETHLSWDN

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_007721

ORF Size: 1089 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_007721.4](#), [NP_031747.2](#)

RefSeq Size: 1725 bp

RefSeq ORF: 1089 bp

Locus ID: 12777

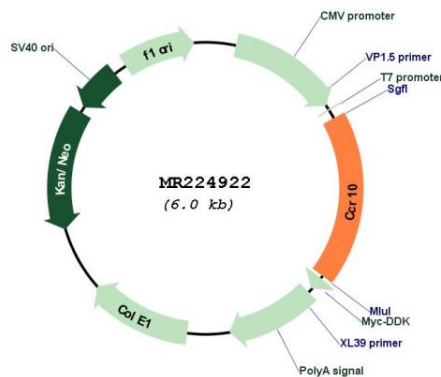
UniProt ID: [Q9JL21](#)

Cytogenetics: 11 64.34 cM

MW: 38.9 kDa

Gene Summary: Receptor for chemokines SCYA27 and SCYA28. Subsequently transduces a signal by increasing the intracellular calcium ions level.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224922