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# Product datasheet for MR210169

## C1ra (NM_023143) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | C1ra (NM_023143) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | C1ra |
| **Synonyms:** | AI132558; C1r; mC1rA |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**ORF Nucleotide Sequence:**

>MR210169 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCTCTTTGCCCTCCTGGTGACCCTGTTCTATGGGGTGGAAGGCTCCATTTACCTCCCTCAGAAGC
TCTATGGAGAGGTGACCTCCCCTCTGTATCCCAAGCCTTACCCCAGTGACTTGGAGACAACCACTGTGAT
CACTGTCCCCATGGGGTACAGGGTGAAGCTGGTCTTCTGGCAGTTTGACGTGGAGCCTTCTGAAGGCTGC
TTCTATGACTATGTTAAGATTTCTGCTGATAAGCAAACACTGGGGAGGTTCTGTGGGCAGCTGGATTCTC
CCCTGGGCAACCCCCCAGGAAGCAAGGAATTCATGTCCCAAGGAAACAAGATGCTGCTGACCTTCCACAC
AGACTTCTCCAATGAGGAGAATGGGACCATCATGTTCTACAAGGGCTTCCTGGCCTACTACCAGGCTGTA
GACCTTGATGAATGTGCATCGCAGCCCAACTCAGTGGAAGAGGGTTTGCAGCCCCGATGCCAACATCTGT
GTCACAACTATGTTGGAGGCTACTTCTGTTCCTGCCATCCTGGCTATGAGCTTCAGAAAGATGGGCAATC
CTGCCAGGCTGAGTGCAGCAGTGAGCTCTACACAGAGCCCTCAGGCTATGTCTCCAGCCTTGAATACCCT
CAGCCCTATCCACCGGATCTACGCTGCAACTACAGCATCCGGGTGGAGAGGGGCCTCACTGTGCACCTCA
AGTTCCTGGATCCCTTTGAAATTGATGACCACCAGCAAGTGCACTGCCCCTATGACCAGCTCCAGATCTA
CGCTAATGGGAAGAACTTGGGTGAATTCTGTGGAAAGCAAAGGCCTCCAGACCTTGACACCAGCAGCAAT
GCAGTGGATCTGCTGTTCTTCACAGATGAGTCAGGGGACAGCCGAGGCTGGAAGCTGCACTACACCACTG
AAACCATCAAGTGCCCCCAGCCCAAGGCTCTGGATGAGTTCACCATCATCCAGGATCCGCAGCCTCAGTA
CCAGTTCCGGGATTACTTCATTGTCACCTGCAAGCAAGGCTACCAGCTCATGGAGGGAAATCAGGCGCTA
CTCTCCTTCACAGCTGTTTGCCAGCATGATGGCACATGGCATCGTGCCATGCCCAGGTGCAAGATCAAGA
ACTGTGGGCAGCCCCAAAGCCTGTCTAATGGGGACTTCCGCTACATCACCACAAAAGGCGTGACCACCTA
TGAAGCCAGTATCCAGTATCACTGCCATGAACCATATTACAAGATGCTGACCAGAGCTGGCAGCAGCGAG
TCCATGCGAGGGATATATACCTGCACAGCCCAAGGCATTTGGAAGAATGAAGAGGAAGGAGAGAAAATGC
CCCGGTGTCTGCCAGTGTGTGGGAAACCTGTCAACCCTGTGACACAGAAGGAGCGCATCATCAGAGGGCA
GCCAGCCAGGCCCGGCAACTTCCCCTGGCAGGCCTTCACCACTACCCACGGGCGAGGGGGTGGGGCCCTG
CTTGGAGACCGCTGGATCCTCACAGCAGCCCACACCATCTACCCCAAGCATCACAACAAGGAAAACGACA
ATGCCAACCCCAAAATGCTTGTTTTCCTGGGCCACACAAATGTGGAACAGATCAAAAAACTGGGACATCA
CCCAGTCCGTAGGGTCATCATACACCCAGACTACCGCCAAGATGAACCTAACAATTTTGAAGGAGACATT
GCTCTACTGGAGCTGGAAAACAGTGTCACACTGGGCCCCGAACTCCTCCCCATCTGTCTCCCAGACAATG
AGACCTTCTATGGCCAAGGCCTCATGGGTTATGTCAGCGGATTCGGGATAACAGAAGATAAGTTAGCTTT
CGATCTCAGGTTCGTCAGACTGCCTGTAGCTGACAGTGAGGCATGCCAGAGATGGCTCCAGACAAAAAAG
GATACTTCTCCATTTTCTCAAAATATGTTCTGTTCTGGGGACCCAGCTGTACAGCAAGACGCCTGCCAAG
GGGACAGTGGGGGTGTTTTTGCAGTCAGGGACAGAAATCGTGATATCTGGGTGGCTACGGGCATCGTATC
CTGGGGCATTGGGTGTGGTGAGGGATATGGCTTCTACACCAAGGTACTGAATTATGTTGACTGGATCAAG
AAAGAGATGGGAGACGAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

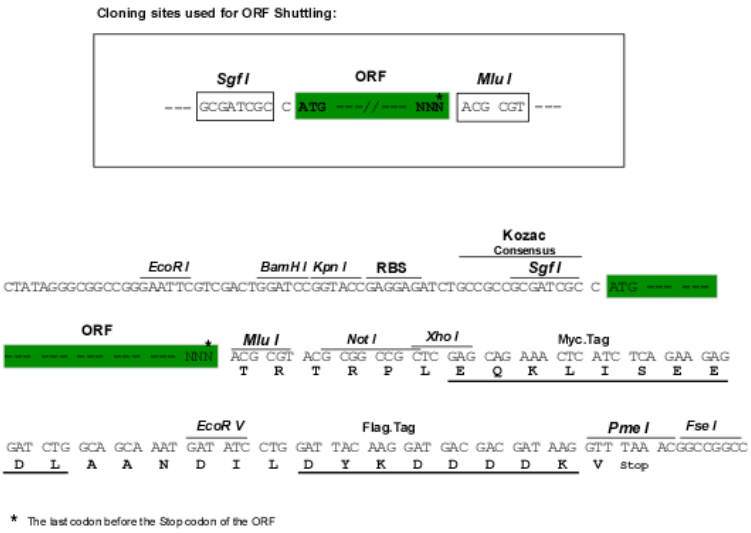
>MR210169 protein sequence
Red=Cloning site Green=Tags(s)

MWLFALLVTLFYGVEGSIYLPQKLYGEVTSPLYPKPYPSDLETTTVITVPMGYRVKLVFWQFDVEPSEGC
FYDYVKISADKQTLGRFCGQLDSPLGNPPGSKEFMSQGNKMLLTFHTDFSNEENGTIMFYKGFLAYYQAV
DLDECASQPNSVEEGLQPRCQHLCHNYVGGYFCSCHPGYELQKDGQSCQAECSSELYTEPSGYVSSLEYP
QPYPPDLRCNYSIRVERGLTVHLKFLDPFEIDDHQQVHCPYDQLQIYANGKNLGEFCGKQRPPDLDTSSN
AVDLLFFTDESGDSRGWKLHYTTETIKCPQPKALDEFTIIQDPQPQYQFRDYFIVTCKQGYQLMEGNQAL
LSFTAVCQHDGTWHRAMPRCKIKNCGQPQSLSNGDFRYITTKGVTTYEASIQYHCHEPYYKMLTRAGSSE
SMRGIYTCTAQGIWKNEEEGEKMPRCLPVCGKPVNPVTQKERIIRGQPARPGNFPWQAFTTTHGRGGGAL
LGDRWILTAAHTIYPKHHNKENDNANPKMLVFLGHTNVEQIKKLGHHPVRRVIIHPDYRQDEPNNFEGDI
ALLELENSVTLGPELLPICLPDNETFYGQGLMGYVSGFGITEDKLAFDLRFVRLPVADSEACQRWLQTKK
DTSPFSQNMFCSGDPAVQQDACQGDSGGVFAVRDRNRDIWVATGIVSWGIGCGEGYGFYTKVLNYVDWIK
KEMGDEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_023143

**ORF Size:** 2124 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).

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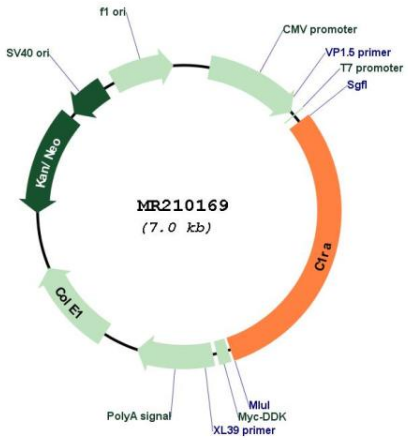
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_023143.2 |
| **RefSeq Size:** | 2762 bp |
| **RefSeq ORF:** | 2124 bp |
| **Locus ID:** | 50909 |
| **UniProt ID:** | Q8CG16 |
| **Cytogenetics:** | 6 F2 |
| **MW:** | 80.1 kDa |
| **Gene Summary:** | C1r B chain is a serine protease that combines with C1q and C1s to form C1, the first component of the classical pathway of the complement system.[UniProtKB/Swiss-Prot Function] |

## Product images:




Circular map for MR210169