

Product datasheet for **MR210176**

C1r (BC004637) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1r (BC004637) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1r
Synonyms:	C1rb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210176 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTGGCTCTTTGCCCTCCTGGTGACCCTGTTCTATGGGGTGAAGGCTCCATTTACCTCCCTCAGAAGC
TCTATGGAGAGGTGACCTCCCTCTGTATCCCAAGCCTTACCCAGTGACTTGGAGACAACCACTGTGAT
CACTGTCCCATGGGTACAGGGTGAAGCTGGTCTTCTGGCAGTTTGACGTGGAGCCTTCTGAAGGCTGC
TTCTATGACTATGTTAAGATTTCTGCTGATAAGCAAACACTGGGGAGTTCTGTGGGCAGCTGGATTCTC
CCCTGGGCAACCCCAAGGAAGCAAGGAATTCATGTCCAAGGAAACAAGATGCTGCTGACCTTCCACAC
AGACTTCTCCAATGAGGAGAATGGGACCATCATGTTCTACAAGGGCTTCTGGCCTACTACCAGGCTGTA
GACCTTGATGAATGTGCATCGCAGCCAACTCAGTGAAGAGGGTTTGCAGCCCCGATGCCAACATCTGT
GTCACAATATGTTGGAGGCTACTTCTGTTCTGCCATCCTGGCTATGAGCTTCAGAAAGATGGGCAATC
CTGCCAGGCTGAGTGCAGCAGTGAAGCTACACAGAGCCCTCAGGCTATGTCTCCAGCCTTGAATACCT
CAGCCCTATCCACCGGATCTACGCTGCAACTACAGCATCCGGGTGGAGAGGGCCCTCACTGTGCACCTCA
AGTTCTGGATCCCTTTGAAATTGATGACCACCAGCAAGTGCAGTGCCTTATGACCAGCTCCAGATCTA
CGCTAATGGGAAGAACTTGGGTGAATTCTGTGGAAAGCAAAGGCCTCCAGACCTTGACACCAGCAGCAAT
GCAGTGGATCTGTGTTCTTACAGATGAGTCAAGGGACAGCCGAGGCTGGAAGCTGCACTACACCCTG
AAACATCAAGTCCCCCAGCCCAAGGCTCTGGATGAGTTCACCATATCCAGGATCCGCAGCCTCAGTA
CCAGTTCGGGATTACTTCAATTGTCACCTGCAAGCAAGGCTACCAGCTCATGGAGGGAAATCAGGCGCTA
CTCTCCTTACAGCTGTTTCCAGCATGATGGCAGATGGCATCGTCCATGCCAGGTGCAAGATCAAGA
ACTGTGGGCAGCCCCAAAGCCTGTCTAATGGGGACTTCCGCTACATCACCACAAAAGGCGTGACCACCTA
TGAAGCCAGTATCCAGTATCACTGCCATGAACCATATTACAAGATGCTGACCAGAGCTGGCAGCAGCGAG
TCCATGCGAGGGATATATACCTGCACAGCCCAAGGCATTTGGAAGAATGAAGAGGAAGGAGAGAAAATGC
CCCAGTGTCTGCCAGTGTGTGGAAACCTGTCAACCCTGTGACACAGAAGGAGCGCATCATCAGAGGGCA
GCCAGCCAGGCCCGCAACTTCCCTGGCAGGCCCTTACCCTACCCACGGGCGAGGGGGTGGGGCCCTG
CTTGAGACCGCTGGATCCTCACAGCAGCCACACCATCTACCCCAAGCATCACAACAAGGAAAACGACA
ATGCCAACCCAAAATGCTTGTGTTTCTGGGCCACACAAATGTGGAACAGATCAAAAACTGGGACATCA
CCCAGTCCGTAGGTCATCATAACCCAGACTACCGCAAGATGAACCTAACAATTTTGAAGGAGACATT
GCTCTACTGGAGTGAAAACAGTGTCACTGGGCCCGAACTCCTCCCATCTGTCTCCAGACAATG
AGACCTTCTATGGCCAAGCCTCATGGTTATGTCAGCGGATTCGGGATAACAGAAGATAAGTTAGCTTT
CGATCTCAGGTTCTGTCAGACTGCCTGTAGCTGACAGTGAAGCATGCCAGAGATGGCTCCAGACAAAAAG
GATACTTCTCATTCTTCTCAAAATATGTTCTGTTCTGGGGACCCAGCTGTACAGCAAGACGCTGCCAAG
GGGACAGTGGGGGTGTTTTGCAGTCAGGGACAGAAAATCGTGATATCTGGGTGGCTACGGGCATCGTATC
CTGGGGCATTGGGTGTGGTGAAGGATATGGCTTACACCAAGGTAATGATGTTGACTGGATCAAG
AAAGAGATGGGAGACGAAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210176 protein sequence
 Red=Cloning site Green=Tags(s)

MWLFALLVTLFYGVEGSIYLPQKLYGEVTSPLYPKPYPSDLETTTIVITVPMGYRVKLVFVWFQFDVEPSEGC
 FYDYVKISADKQTLGRFCGQLDSPLGNPPGSKEFMSQGNKMLLTFHTDF SNEENGTIMFYKGLAYYQAV
 DLDECA SQPNSVEEGLQPRCQHLCHNYVGGYFCSCHPGYELQKDGQSCQAECSSELYTEPSGVSSLEYYP
 QPYPPDLRCNYSIRVERGLTVHLKFLDPFEIDDHQQVHCPYDQLQIYANGKNLGEFCGKQRPDLDTSSN
 AVDLLFFTDESGDSRGWKLHYTTETIKCPQPKALDEFTIIQDPQPQYQFRDYFIVTCKQGYQLMEGNQAL
 LSFTAVCQHDGTWHRAMPKCKIKNCGQPQSL SNGDFRYITTKGVTTYEASIQYHCHEPYKMLTRAGSSE
 SMRGIYCTAQGIWKNEEEGEKMPRCLPVCCKPVPVTKKERIIRGQPARPGNFPWQAF TTTTHGRGGGAL
 LGDRWIL TAAHTIYPKHHNKENDNANPKMLVFLGHTNVEQIKKLGHHPVRRV I IHPDYRQDEPNFEGDI
 ALLELENSVTLGPELLPICLPDNETFYQGGLMGYVSGFGIT EDKLAFLRFVRLPVADSEACQRWLQTKK
 DTSFSPSQNMFCSGDPAVQQDACQGDSSGGVFAVRDRNRDIWVATGIVSWGIGCGEGYGFYTKVLNYVDWIK
 KEMGDEN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC004637

ORF Size: 2121 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: [BC004637](#), [AAH04637](#)

RefSeq Size: 2409 bp

RefSeq ORF: 2123 bp

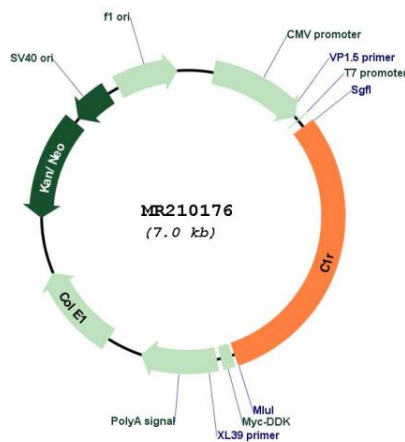
Locus ID: 50909

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 MR210176