

Product datasheet for **MG210169**

C1r (BC093528) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1r (BC093528) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C1r
Synonyms:	C1rb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210169 representing BC093528
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGCTCTTTGCCCTCCTGGTGACCCTGTTCTATGGGGTGAAGGCTCCATTTACCTCCCTCAGAAGC
 TCTATGGAGAGGTGACCTCCCTCTGTATCCCAAGCCTTACCCAGTGACTTGGAGACAACCACTGTGAT
 CACTGTCCCATGGGTACAGGGTGAAGCTGGTCTTCTGGCAGTTTGACGTGGAGCCTTCTGAAGGCTGC
 TTCTATGACTATGTTAAGATTTCTGCTGATAAGCAAACACTGGGGAGTTCTGTGGGCAGCTGGATTCTC
 CCCTGGGCAACCCCAAGGAAGCAAGGAATTCATGTCCAAGGAAACAAGATGCTGCTGACCTTCCACAC
 AGACTTCTCCAATGAGGAGAATGGGACCATCATGTTCTACAAGGGCTTCTGGCCTACTACCAGGCTGTA
 GACCTTGATGAATGTGCATCGCAGCCAACTCAGTGAAGAGGGTTTGCAGCCCCGATGCCAACATCTGT
 GTCACAATATGTTGGAGGCTACTTCTGTTCTGCCATCTGGCTATGAGCTTCAGAAAGATGGGCAATC
 CTGCCAGGCTGAGTGCAGCAGTGAAGCTACACAGAGCCCTCAGGCTATGTCTCCAGCCTTGAATACCT
 CAGCCCTATCCACCGGATCTACGCTGCAACTACAGCATCCGGGTGGAGAGGGCCCTCACTGTGCACCTCA
 AGTTCTGGATCCCTTTGAAATTGATGACCACCAGCAAGTGCAGTGCCTTATGACCAGCTCCAGATCTA
 CGCTAATGGGAAGAACTTGGGTGAATTCTGTGGAAAGCAAAGGCCTCCAGACCTTGACACCAGCAGCAAT
 GCAGTGGATCTGCTGTTCTTACAGATGAGTCAAGGGACAGCCGAGGCTGGAAGCTGCACTACACCCTG
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 CCAGTTCGGGATTACTTCAATTGTCACCTGCAAGCAAGGCTACCAGCTCATGGAGGGAAATCAGGCGCTA
 CTCTCCTTACAGCTGTTTCCAGCATGATGGCAGATGGCATCGTCCATGCCAGGTGCAAGATCAAGA
 ACTGTGGGCAGCCCCAAAGCCTGTCTAATGGGGACTTCCGCTACATCACCACAAAAGGCGTGACCACCTA
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 TCCATGCGAGGGATATATACCTGCACAGCCCAAGGCATTTGGAAGAATGAAGAGGAAGGAGAGAAAATGC
 CCCGGTGTCTGCCAGTGTGTGGAAACCTGTCAACCCTGTGACACAGAAGGAGCGCATCATCAGAGGGCA
 GCCAGCCAGGCCCGCAACTTCCCTGGCAGGCCCTTACCCTACCCACGGGCGAGGGGGTGGGGCCCTG
 CTTGGAGACCGCTGGATCCTCACAGCAGCCACACCATCTACCCCAAGCATCACAACAAGGAAAACGACA
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 CCCAGTCCGTAGGTCATCATAACCCAGACTACCGCAAGATGAACCTAACAATTTTGAAGGAGACATT
 GCTCTACTGGAGCTGAAAACAGTGTCACTGGGCCCGAAGTCTCCCATCTGTCTCCAGACAATG
 AGACCTTCTATGGCCAAGGCCTCATGGTTATGTCAGCGGATTCGGGATAACAGAAGATAAGTTAGCTTT
 CGATCTCAGGTTCTGTCAGACTGCCTGTAGCTGACAGTGAAGCATGCCAGAGATGGCTCCAGACAAAAAG
 GATACTTCTCATTCTTCTCAAAATATGTTCTGTTCTGGGGACCCAGCTGTACAGCAAGACGCTGCCAAG
 GGGACAGTGGGGGTGTTTTGCAGTCAGGGACAGAAATCGTGATATCTGGGTGGCTACGGGCATCGTATC
 CTGGGGCATTGGGTGTGGTGAAGGATATGGCTTACACCAAGGTAATGATGTTGACTGGATCAAG
 AAAGAGATGGGAGACGAAAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210169 representing BC093528
 Red=Cloning site Green=Tags(s)

MWLFALLVTLFYGVESIIYLPQKLYGEVTSPLYPKYPSDLETTTIVITVPMGYRVKLVFQWFDVEPSEGC
 FYDYVKISADKQTLGRFCGQLDSPLGNPPGSKEFMSQGNKMLLTFHTDFSNEENGTIMFYKGLAYYQAV
 DLDECASQPNVSEGLQPRCQHLCHNYVGGYFCSCHPGYELQKDGQSCQAECSSELYTEPSGVSSLEY
 QPYPPDLRCNYSIRVERGLTVHLKFLDPFEIDDHQQVHCPYDQLQIYANGKNLGEFCGKQRPDLDTSSN
 AVDLLFFTDESGDSRGWKLHYTTETIKCPOKALDEFTIIQDPQPQYQFRDYFIVTCKQGYQLMEGNQAL
 LSFTAVCQHDGTWHRAMPKCIKNCGQPQSLNNGDFRYITTKGVTTYEASIQYHCHEPYKMLTRAGSSE
 SMRGIYTCTAQGIWKNEEEGEKMPRCLPVCCKPVPVTKQKRIIRGQPARPGNFPWQAFSTTHGRGGGAL
 LGDRWILTAAHTIYPKHHNKENDNANPKMLVFLGHTNVEQIKKLGHHPVRRVVIHPDYRQDEPNFEGDI
 ALLELENSVTLGPELLPICLPDNETFYQGGLMGYVSGFGITDKLAFDLRFVRLPVADSEACQRWLQTKK
 DTSPFSQNMFCSGDPAVQQDACQGDSSGVFAVRDRNRDIWVATGIVSWGIGCGEGYGFYTKVLNYVDWIK
 KEMGDEN

TRTRPLE - GFP Tag - V

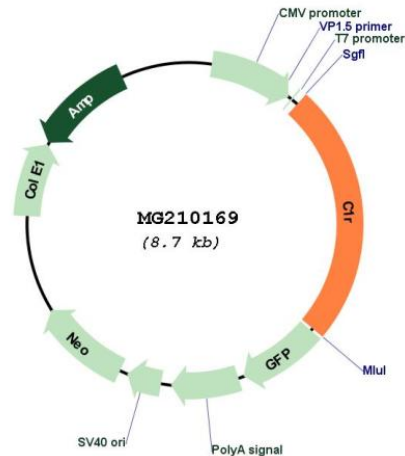
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC093528

ORF Size: 2123 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: [BC093528](#), [AAH93528](#)

RefSeq Size: 2707 bp

RefSeq ORF: 2123 bp

Locus ID: 50909

Cytogenetics: 6 F2

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]