

Product datasheet for **MR210085**

C1s (BC018319) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1s (BC018319) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1s
Synonyms:	MGC37773, C1sa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210085 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAATCGCCAGGGATGTGGTGTGGTCTCTTTCTCTTTGGCATCATTTTCTGCTGAGCCCA
 CCATGCATGGGGAGATCCTGTCCCTAACTATCCCAGGCGTACCCCAATGACGTCGTGAAATCTTGGGA
 CATTGAAGTCCCAGAGGGTTTGGGATTCACTTACTTTACCCATGTGGACATAGAGCCGTCAGAGAGC
 TGTGCATACGACTCAGTGCAGATAATCTCAGGAGGCATCGAGGAAGGGAGACTCTGTGGCCAGAAGACCA
 GCAAGAGCCCAACTCCCCATTATAGAAGAGTTTCAGTTCACATAACAATAAACTTCAGGTGGTCTTTAC
 CTCAGACTTCTCCAACGAAGAACGGTTTACGGCTTTGCAGCATACTACACTGCCATAGACATAAATGAA
 TGCACAGATTTTACAGATGTCCCTGTAGCCACTTCTGCAATAACTTCATTGGTGGATCTTCTGCTCCT
 GTCCCCAGAATACTTCTCCACGATGACATGAGGAATTGTGGAGTCACTGTAGTGGAGATGTGTTTAC
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 CTGACTCAGAGGGAACTGCCCTGACAGTTAACTTTTGCTTCAAAAAACCAACAGTTTGGTCTTACTG
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 GACCTAATGGGGCAAAAGAAGGGTTGGAAGCTTCGTTACCATGGAGATCCCATCTCCTGTGCCAAAAAA
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 TGTGGACGGATTTGAAGTTGTGGAGGGACATGTAGCTTACTTCATACTATTCCACTTGTCAAAGCGAT
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 CCTGGTGCAGCTGAAAGACCCTGTGAAAATGGGACCCAAAGTCTCCCCATCTGCCTACCAGGCACCTCC
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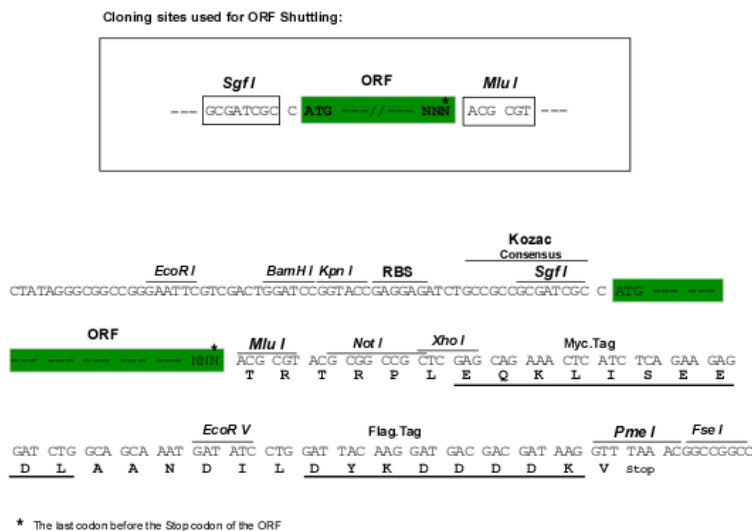
Protein Sequence: >MR210085 protein sequence
Red=Cloning site Green=Tags(s)

MGKSPGMWCLVLFSLASFSAEPTMHGEILSPNYQAYPNDDVKSWDIEVPEGFGIHLVFTHVDIEPSES
 CAYDSVQIISGGIEEGRLCGQKTSKSPNSPIIEEFQFPYNKLQVVFSTDF SNEERFTGFAAYTAIDINE
 CTDFTDVPCSHFCNNFIGGYFCSCPPEYFLHDDMRNCGVNCSDVFTALIGEISSPNYPNPYPENSRC
 QIQLQEGFQVVVVMQREDFDVEPADSEGNCPDSLTFASKNQQFGPYCGNGFPGLTIRTQSNTLGI
 VFTDLMGQKKGWKLRVHGDPISCAKKITANSTWEPDKAKYVFKDVKITCVDGFEVVEGHVSSTSY
 STCQSDGQWSNSGLKCKQPVYCGIPDPIANGKVEEPENSVFGTVVHYTCEEPYMYMEHEEGEYR
 CAANGRVNDQLGIELPRCIPACGVPTPEFQVHQRIFFGGQPAKIENFPWQVFFNHPRASGALINE
 YWVLTAAHVLEKISDPLMYVGTMSVRTTLLENAQRLYSKRVIHPSWKKEDDPNTRTNFDNDIAL
 VQLKDPVKMGPKVSPICLPGTSEYNVSPGDMGLISGWGSTEKKVFVINLRGAKVPVTSLETCKQV
 KEENPTVRPEDYVFTDNMICAGEKGVDSCHGDSGGAFQVQPNVTPKFFVYAGLVSWGKRCGT
 YGVYTKVKNYVDWILKTMQENS GPRKD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC018319

ORF Size: 2082 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: [BC018319.1](#)

RefSeq Size: 2855 bp

RefSeq ORF: 2084 bp

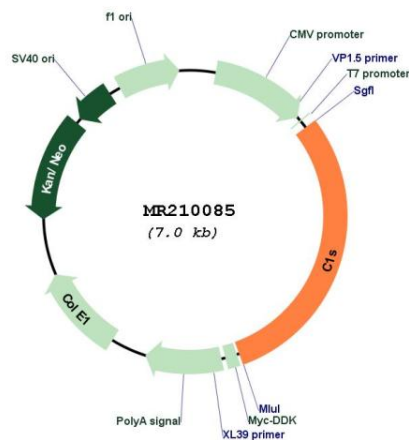
Locus ID: 50908

Cytogenetics: 6 F2

MW: 77.4 kDa

Gene Summary: C1s B chain is a serine protease that combines with C1q and C1r to form C1, the first component of the classical pathway of the complement system. C1r activates C1s so that it can, in turn, activate C2 and C4 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210085