

Product datasheet for **RR200360**

Cr1l (NM_001005265) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cr1l (NM_001005265) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cr1l
Synonyms:	Cr1; Crry
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200360 representing NM_001005265
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGCTTCTCGCCTCTGGACCCCGTGGGCGCCTTGTAGCCTTCTGCCGCGGAGGAGTGCATCTGG
 CGTCCTGCTGCTTCTTGTGCGCATCTACTTTGGGCCAGTGCCAGCCCCACCACTGTTTCCTTATGC
 CAAACCTATAAATCCAACCTGATGAATCCACGTTTCCCCTTGAACATCTTTGAAGTATGAATGTCGTCCA
 GGATATATCAAGAGGCGATTCTCTATCACCTGCGAAGTAACTCAGTGTGGACAAGTCTCAAGACGTGT
 GTATACGTAACAATGTGAACTCCTTTAGATCCTCAGAATGGCATAGTACATGTAACACAGACATCCG
 GTTTGGATCCTCTACTTATACCTGTAATGAAGGATACCGCCTCATTGGTTCCCTCTGCTATGTGC
 ATAATCTCTGATCAGAGCGTTGCCTGGGATGCCGAGGCACCTATTTGTAATCAATTCCTGTGAGATAC
 CCCAAGCATTCCAATGGAGATTTCTCAGTCCTAACAGAGAAGATTTTCATTATGGAATGGTAGTTAC
 CTACCAGTGCAACTGATGCGAGAGGGAAGAAGCTCTTAACTGGTGGGTGAGCCCTCCATACACTGT
 ACCAGCATCGATGGTCAAGTTGGAGTCTGGAGTGGCCCTCCTCCTCAGTGCATTGAACTCAACAAATGTA
 CTCTCCCATGTTGAAAATGCAGTCATAGTGTCTAAAAACAAAAGCTGTTTTCCCTAAGGGATATGGT
 GGAGTTTATAGTGTGAGTGGCTTTATGATGAAAGGAGACAGCAGTGTGTATTGTCGATCCCTAACAGA
 TGGGAGCCTCAGTTACCAAGCTGCTTCAAGGTGAAATCCTGTGGTGTCTTCTGGGTGAGCTTCTAATG
 GGCATGTATTTCGTTCCACAAAATCTTCAACTCGGGCCAAAGTGACCTTTGTTTGAATACAGGGTATCA
 ATTAAAGGCAATTTCTTAGTCATTGTGTTCTTGATGGAGTGGAAAGCATTGGAATAGCAGCGTTCTCT
 GTGTGTGAACAAGTATGTAACCTCCCTCAGGATATGAGTGGATTCCAGAAAGGGTTGCAATGAAAA
 AAGATTACTATGGAGATAATGTAGCCTTGGAAATGTGAGGATGGGTACTCTAGAAGCAGTCTCTCA
 GAGCCAGTGCCAGTCCGATGCCAGCTGGGATCCTCCTCTGCCCAAATGTGTCTCTCGCTCAACAGTGGT
 CTAATAGCTGGAATTTTCTTGGGATAATCGTCTTATTTTATTCATCATTTTTTCTACTGGATGATTA
 TGAAGTTTAAAAACGCAATCCACCAATGAAAAGTGTAAAGAAGTGGGTATCTATTTAAATTCTAAAGA
 AGACAGCTGTGTTAGCCTCAGTCTCTGCTCACAAGTCAGGAGAACACAGTACCAGTAGCCAGCACGG
 AATCACTCACTCAAGAAGTC

ACCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200360 representing NM_001005265
 Red=Cloning site Green=Tags(s)

MEASSPLDPVGRVAVFCRGGVHLAVLLLFLSPSTLGQCPAPPLFPYAKPINPTDESTFPVGTSLKYECRP
 GYIKRQFSITCEVNSVWTSPOQVDCIRKQCETPLDPQNGIVHVNTDIRFGSSITYTCNEGRLIGSSSAMC
 IISDQSVAWDAEAPICESIPCEIPPSIPNGDFFSPNREDFHYGMVVYQCNTDARGKFLNLVGEPSIHC
 TSIDGQGVWVSGPPPQCIELNKCTPPHVENAVIVSKNLSLFLRDMVEFRCDGFMKGDSSVYCRSLNR
 WEPQLPSCFKVSCGAFGLGELPNGHVFPQNLQLGAKVTFVCNTGYQLKGNSSSHCVLDGVEIWNSSVP
 VCEQVICKLPQDMSGFQKGLQMKDYYYGDNVALECEDGYTLEGSSQSQSDASWDPPLPKCVSRNSG
 LIAGIFIGIIVLILFIIFSYWMIMKFKRNSTNEKCKEVIYLNKEDSCVQPQSLTSEQNNSTSSPAR
 NSLTQEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

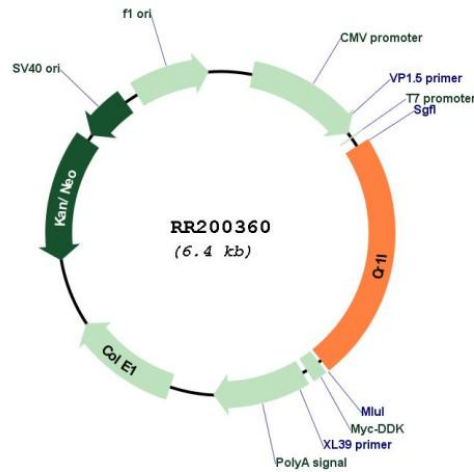
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001005265

ORF Size: 1491 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_001005265.1](#), [NP_001005265.1](#)

RefSeq Size: 1908 bp

RefSeq ORF: 1494 bp

Locus ID: 54243

UniProt ID: [Q63135](#)

Cytogenetics: 13q27

MW: 54.8 kDa

Gene Summary: This gene encodes a membrane-bound inhibitor of complement activation, which contains several tandemly arranged short consensus repeats (SCRs) of approximately 60 amino acids. The encoded protein may play a role in tumor immune surveillance, which is unrelated to complement inhibition. Three alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]