

## Product datasheet for **RR200361**

### Cr1l (NM\_019301) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cr1l (NM_019301) 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:**

>RR200361 representing NM\_019301  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCTTCTCGCCTCTGGACCCCGTGGGCGCCTTGTAGCCTTCTGCCGCGGAGGAGTGCATCTGG  
 CGTCTGCTGCTGTTCTTGTGCGCATCTACTTTGGGCCAGTGCCAGCCCCACCACTGTTTCCTTATGC  
 CAAACCTATAAATCCAAGTATGAATCCACGTTTCCCGTTGGAACATCTTTGAAGTATGAATGTCGTCCA  
 GGATATATCAAGAGGAGTCTCTATCACCTGCGAAGTAACTCAGTGTGGACAAGTCTCAAGACGTGT  
 GTATACGTAACAATGTGAACTCCTTTAGATCCTCAGAATGGCAGTACATGTAAACACAGACATCCG  
 GTTTGGATCCTCTACTTATACCTGTAATGAAGGATACCGCCTCATTGGTTCCCTCTGCTATGTGC  
 ATAATCTCTGATCAGAGCGTTGCCTGGGATGCCGAGGCACCTATTTGTGAATCAATTCCTGTGAGATA  
 CCCCAGCATTCCAATGGAGATTTCTTACGTCCTAACAGAGAAGATTTTCATTATGGAATGGTAGTTAC  
 CTACCAGTGCAACTGATGCGAGAGGGAAGAAGCTCTTTAACCTGGTGGGTGAGCCCTCCATACACTGT  
 ACCAGCATCGATGGTCAAGTTGGAGTCTGGAGTGGCCCTCCTCCTCAGTGCATTGAACTCAACAAATGTA  
 CTCTCCCATGTTGAAAATGCAGTCATAGTGTCTAAAAACAAAAGCTTGTTCCTTAAGGGATATGGT  
 GGAGTTTATAGTGTGAGTGGCTTTATGATGAAAGGAGACAGCAGTGTGTATTGTCGATCCCTAACAGA  
 TGGGAGCCTCAGTTACCAAGCTGCTTCAAGGTGAAATCCTGTGGTGTCTTCTGGGTGAGCTTCTAATG  
 GGCATGTATTCGTTCCACAAAATCTTCAACTCGGGCCAAAGTGACCTTTGTTTGAATACAGGGTATCA  
 ATTAAAAGCAATTTCTTAGTCATTGTGTTCTTGATGGAGTGGAAAGCATTGGAATAGCAGCGTTCCT  
 GTGTGTGAACAAGTATGTAACTCCCTCAGGATATGAGTGGATTCCAGAAAGGGTTGCAAAATGAAAA  
 AAGATTACTATGGAGATAATGTAGCCTTGGAAATGTGAGGATGGGTACTCTAGAAGGCAGTCTCA  
 GAGCCAGTGCAGTCCGATGCCAGCTGGGATCCTCCTCTGCCCAAATGTGTCTCTCAAGTATGTAAA  
 CTCCCTCAGGATATGAGTGGATTCCAGAAAGGGTTGCAAAATGAAAAAAGATTATTACTATGGAGATAATG  
 TAGCCTTGAATGTGAGGATGGGTACTCTAGAAGGCAGTCTCAGAGCCAGTCCAGTCCGATGCCAG  
 CTGGGATCCTCCTCTGCCCAAATGTGTCTCTCGCTCAAACAGTGGTCTAATAGCTGGAAATTTTCATTGGG  
 ATAATCGTCTTATTTTATTCATCATTTTTTCTACTGGATGATTATGAAGTTTAAAAACGCAATTTCCA  
 CCAATGAAAAGTGTAAAGAAGTGGGTATCTATTTAAATTTCTAAAGAAGACAGCTGTGTTACGCTCAGTC  
 TCTGCTACAAGTCAGGAGAACAACAGTACCAGTAGCCAGCACGGAATTCCTCACTCAAGAAGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR200361 representing NM\_019301  
 Red=Cloning site Green=Tags(s)

MEASSPLDPVGRVLVAFCRGGVHLAVLLFLSPSTLGQCPAPPLFPYAKPINPTDESTFPVGTSLKYECRP  
 GYIKRQFSITCEVNSVWTSPQDVCIRKQCETPLDPQNGIVHVNTDIRFGSSITYTCNEGYRLIGSSAMC  
 IISDQSVAWDAEAPICESIPCEIPPSIPNGDFFSPNREDFHYGMVVYQCNTDARGKFLNLVGEPSIHC  
 TSIDGQVGVWVGPPPPQCIELNKCTPPHVENAVIVSKNLSLFLSLRDMVEFRCDGFMKGDSSVYCRSLNR  
 WEPQLPSCFKVKSCGAFGLGELPNGHVFPQNLQLGAKVTFVCNTGYQLKGNSSSHCVLDGVESIWNSSVP  
 VCEQVICKLPQDMSGFQKGLQMKDYYYGDNVALECEDGYTLEGSSQSQSDASWDPPLPKCVSQQVICK  
 LPQDMSGFQKGLQMKDYYYGDNVALECEDGYTLEGSSQSQSDASWDPPLPKCVSRNSGLIAGIFIG  
 IIVLILFIIIFSWMIMKFKRNSTNEKKEVGIYLNKEDSCVQPQSLLTSQENNSTSSPARNSLTQEV

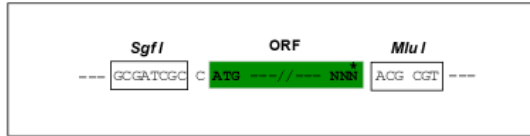
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

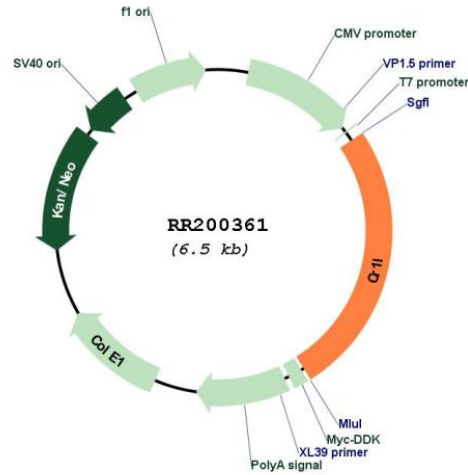
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_019301
<b>ORF Size:</b>	1677 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019301.2</a> , <a href="#">NP_062174.1</a>
<b>RefSeq Size:</b>	2094 bp
<b>RefSeq ORF:</b>	1680 bp
<b>Locus ID:</b>	54243
<b>UniProt ID:</b>	<a href="#">Q63135</a>
<b>Cytogenetics:</b>	13q27
<b>MW:</b>	61.7 kDa
<b>Gene Summary:</b>	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]