

Product datasheet for **RR205911**

Cir1 (NM_001007799) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cir1 (NM_001007799) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cir1
Synonyms:	1700023b02rik; Cir; RGD1309199
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR205911 representing NM_001007799
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAAGTCATTCGCCAATTTTCATGTGTAAAAAGGACTTTCATCCTGCTTCCAATCCAACATCAAGA
 AGGTATGGATGGCAGAACAGAAAATATCATATGATAAAAAAGAAACAAGAAGAATTAATGCAACAGTACCT
 TAAAGAACAAGAGTCATATGATAACAGATTGCTTATGGGAGATGAGCGTGTAAAGAACCGCCTGAATTTTC
 ATGTATGAAGCCCGCCAGGAGTTAAAAAGAAAACAAAGAGAAAGAAGAAACGGAAGGAGAGACAGAAT
 ACAAGTTCGAATGGCAGAAAGGTGCTCAAGGGAAAAATATGCTAAAGATGACATGAACATCAGAGATCA
 GCCCTTTGGTATTCAGGTTGAAATGTAAGGTGTATTAATGTCACAAGTGGGGCCATGTGAACACAGAT
 CGAGAGTGCCCTTGTGGTCTTCCGGGATCAATGCAAGTTCAGTTCCTACTGATGGCTCAGGGCCGT
 CGATGCACCCCTCGGAGCTAATAGCGGAGATGAGAAACAGTGGGTTTGCCTGAAACGAAATGTACTGGG
 GAGAAACTTGACGCAAATGATCCATCGCAGGACTATGTCGCAAGTGACGGTGAAGAAGACCCTGAAGTT
 GAGTTCTTAAAGTCGCTACCACCAAACAGAAGCAGAAGCTTCTCAGGAAATTGGATAGACTTGAAAAGA
 AAAAAAGAAAAAGAAAAGTGATAAGAAAAAGAAAGTTACAGAAGAGCAAAAAATAACACAAAAAACA
 TAAAAATCCTCCTCTTCTCATCTTCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT
 TCTTCTCATCTCCACCTCCTCCTCGGAGACAGATAGCAGCAGTGAGAGTGACAACAAAGAAAAGAAAAG
 AGAAAGAGAAGAGGAAGAAAAGGAAGAAAACCAAGTGTCTGGAATAAATCCGGTGACTGTAAGAGTA
 CAAGTCTAAGAACATGCTTTATGAAGAACTTCTAGCAGCCATAGTGACAGGGGAAAGCCAGGAAAAA
 TTAAGGCTTCTAAAACAAGAGAGTCTGGAGAAAATAGCACATGGGTCCATTCTGGTCTGACCGGAAGT
 CCAGAAGCCACCAGCACAGTCCAGAGAGGAAAGGGTCTGACAGAAACGGGGAAAGCCGAAGCCGTAGCCG
 GGCTGAGGGCAGCAGCGAAGCCGGAGCAGGAGTCTTGCAGTACAGAAGCACAGGAAAGGGAGGGCAGG
 AGCCGGCCCCACAGAGCCCTAGTGAGGAGCAGAAGGGGAGAAAGGGCACCCGAAGCCATGGTGACAGCG
 AGCATAGAAGAGAGCGTGCGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205911 representing NM_001007799
 Red=Cloning site Green=Tags(s)

MGKSFANFMCKKDFHPASKSNIKKVWMAEQKISYDKKKQEELMQQYLKEQESYDNRLMGDERVKNGLNF
 MYEAPPGVKENKEKEETEGETEYKFEWQKGAPREKYAKDDMNIRDQPFQIQRVNRVRCIKCHKWGHVNTD
 RECPLFGLSGINASSVPTDGSGPSMHPSELIAEMRNSGFALKRNVLGRNLTANDPSQDYVASDGEEDPEV
 EFLKSLTTKQKQLLRKLDRLKLEKKKKKSDKKKKLQKSKNKHKKKKSSSSSSSSSSSSSSSSSSSSSSSS
 SSSSSTSSSETDSSSESDNKEKKEKEKRKRKTKCSGNKSGDCKEYKSKNMLYEELSSSHDRGKAQEK
 LRLKQESSGENSTWVHSGSDRKSRSRSHQHSRPERKGS DRNGGSRSRRAEGSRRSRSPCGQKHREREAR
 SRPHQSPSEEQGRKGRTRSHGDSEHRRERAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

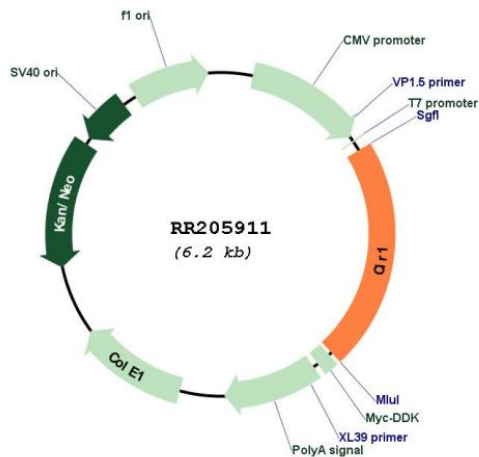
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007799

ORF Size: 1353 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_001007799.1](#), [NP_001007800.1](#)

RefSeq Size: 1356 bp

RefSeq ORF: 1356 bp

Locus ID: 362149

UniProt ID: [Q5U2T8](#)

Cytogenetics: 3q23

MW: 51.4 kDa

Gene Summary: May modulate splice site selection during alternative splicing of pre-mRNAs. Regulates transcription and acts as corepressor for RBPJ. Recruits RBPJ to the Sin3-histone deacetylase complex (HDAC). Required for RBPJ-mediated repression of transcription (By similarity). [UniProtKB/Swiss-Prot Function]