

## Product datasheet for **MR224669**

### **Cir1 (NM\_025854) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cir1 (NM_025854) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cir1
Synonyms:	1700023B02Rik; 2810021A19Rik; Cicr; Cir
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR224669 representing NM\_025854  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGAAGTCATTCGCCAATTTTCATGTGTGAAGAAGGACTTCCATCCTGCGTCCAAATCCAACATCAAGA  
 AGGTATGGATGGCAGAACAGAAAATATCGTATGATAAAAAAGAAACAAGAAGAATTAATGCAACAGTACCT  
 TAAAGAGCAGGAGTCGTATGATAACAGATTGCTTATGGGAGATGAACGTGTGAAGAATGGCCTGAATTTTC  
 ATGTACGAGGCCACCAGGAGTTAAGAAAAGAAAACAAGAGAAAAGAAGAAACGGAAGGAGAGACCGAGT  
 ACAAGTTTGAATGGCAGAAAGCGCTCCGAGAGAAAAATATGCCAAAGATGACATGAACATCAGAGATCA  
 GCCCTTTGGTATTCAGGTTGAAATGTAAGGTGTATTAATGTCACAAGTGGGGCCATGTGAACACAGAT  
 CGAGAGTGTCCCTTGTGGTCTTCTGGGATCAATGCAAGTTCAGTTCCTACTGATGGCTCAGGGCCGT  
 CGATGCACCCCTCGGAGCTAATAGCGGAGATGAGAAACAGTGGGTTTGCCTGAAACGAAATGTACTGGG  
 GAGAAACTTGACGCAAATGATCCATCACAGGACTATGTCGCAAGTGACTGTGAAGAAGACCCTGAAGTT  
 GAGTTCTTAAAGTCGCTACCACCAAGCAGAAGCAGAAGCTCCTCAGGAAATGGATAGACTTGAAAAGA  
 AAAAAAGAAAAAGAAAAGTATAAGAAAAAGAAAGTTACAGAAGAGCAAAAAATAACACAAGAAACG  
 TAAAAACAAATCCCTTCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT  
 TCCTCCTCCTCCTCCTCGGAGACATCAGATAGCAGCAGTGAGAGTGATAACAAAGAAAAGAAAAGAGAGA  
 AAGAGAAGAGGAAGAAGAAGAAAACCAATGTTCTGAAAGTAAATCCAGTACTGTAAAGGAGGACAA  
 GCCTAAGAATATGCTTACGAAGAACTTCCAGCAGTACAGTGACAGGGGAAAAGCCAGGAAAAATTA  
 AGGTTTCCAAAACAAGAGAGTTCTGGGGAGAATAGCATGTGGTCCATTCTGCTTCTGACCGGACATCCA  
 GAAGCCACCGGCACAGTCCAGAGAAGAAAGGGTCTGACAGAAATCGGGAAATCCGAAGTCGGAGCCGTAG  
 CCGGGCTGAGAGCAGCCGCGAAGCAGAAGCAGGAGTCCCTTACCGTCAGAAGCACAGGGAGGTGAGGAGC  
 CGGCCACACCGGAGCCCTAGTGAAGAGCAGAAGGGAAGAAAGGGCACCAGAAGCCATGGTGAAGGTGACC  
 ATAGAAGAGAGCAGTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR224669 representing NM\_025854  
 Red=Cloning site Green=Tags(s)

MGKSFANFMCKKDFHPASKSNIKKVWMAEQKISYDKKKQEELMQQYLKEQESYDNRLMGDERVKNGLNF  
 MYEAPPGVKKENKEKEETEGETEYKFEWQKGAAPREKYAKDDMNIRDQPFQIQRNVRCIKCHKWGHVNTD  
 RECPLFGLSGINASSVPTDGGSPSMHPSELIAEMRNSGFALKRNLGRNLTANDPSQDYVASDCEEDPEV  
 EFLKSLTTKQKQLLRKLDRLKLEKKKKKSDKKKKLQKSKNKHKKRKNKSPSSSSSSSSSSSSSSSSSS  
 SSSSSSETSDSSSEDNKEKREKREKRRKKKTKCSEKSSDCKEDKPKNMLYEELSSSHDRGKAQEKL  
 RFPKQESSGENSMWHSASDRTSRSHRHSPEKKGSDRNRGIRSRSRRAESSRRSRSPYRQKHREVR  
 RPHRSPSEEQGRKGRTRSHGEGDHRREHVR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9077\\_e08.zip](https://cdn.origene.com/chromatograms/mm9077_e08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_025854

**ORF Size:** 1350 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\\_025854.3](#), [NP\\_080130.2](#)

**RefSeq Size:** 1945 bp

**RefSeq ORF:** 1353 bp

**Locus ID:** 66935

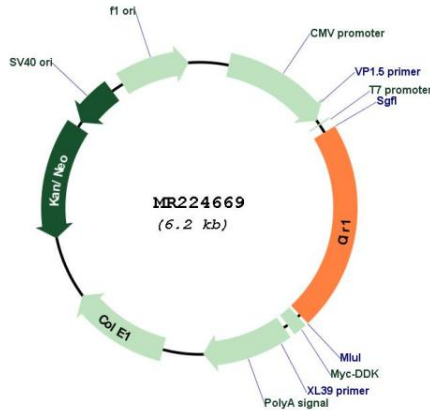
**UniProt ID:** [Q9DA19](#)

**Cytogenetics:** 2 C3

**MW:** 51.8 kDa

**Gene Summary:** 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). May modulate splice site selection during alternative splicing of pre-mRNAs. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224669