

Product datasheet for **MG224669**

Cir1 (NM_025854) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cir1 (NM_025854) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cir1
Synonyms:	1700023B02Rik; 2810021A19Rik; Cicr; Cir
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

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>MG224669 representing NM_025854
Red=Cloning site Blue=ORF Green=Tags(s)
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TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGAAGTCATTCGCCAATTTTCATGTGTAAGAAGGACTTCATCCTCGCTCCAAAICCAACATCAAGA
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CCGGGCTGAGAGCAGCGCGGCAAGCAGAAGCAGGAGTCCTTACC GTCAGAAGCACAGGGAGGTGAGGAGC
CGGCCACACCGGAGCCCTAGTGAAGAGCAGAAGGGAAGAAAGGGCACCAGAAGCCATGGTGAAGGTGACC
TAGGACAGAGGACAGCTGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

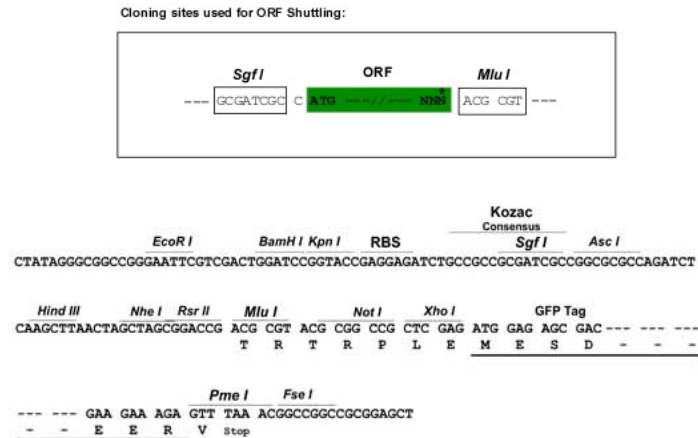
>MG224669 representing NM_025854
Red=Cloning site Green=Tags(s)

MGKSFANFMCKKDFHPASKSNIKKVWMAEQKISYDKKKQEELMQQYLKEQESYDNRLLMGDERVKGNLNF
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SSSSSSETSDSSSESDNKEKKREKEKRKKKKTKCSEKSSDCKEDKPKNMLEEELSSSHSDRGKAQEKL
RFPKQESSGENSMWVHASDRTSRSHRSPEKKGSDNRNGIRSRSRRAESSRRSRSPYRQKHREVR
RPHRSPSEEQGRKGTRSHGEGDHRREHVR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_025854.3](#), [NP_080130.2](#)

RefSeq Size: 1945 bp

RefSeq ORF: 1353 bp

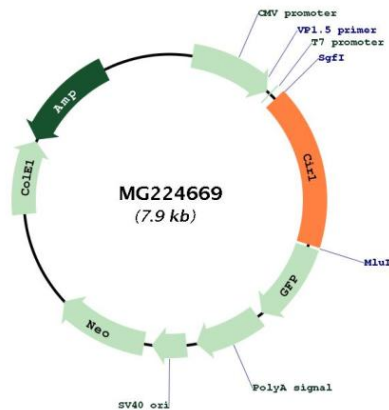
Locus ID: 66935

UniProt ID: [Q9DA19](#)

Cytogenetics: 2 C3

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 MG224669