

## Product datasheet for **MG224605**

### Rcn2 (NM\_011992) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rcn2 (NM_011992) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rcn2
Synonyms:	AA408742; Tcbp49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224605 representing NM_011992 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGGCTGGGCCCAAGGCCCGCGGCTAGGACTGCTGCTGCCGCTGCTGTACGCCGCGGTGGCTG  
GCGCCAGCAAGGCGGAGGAAGTGCCTACCCGAGGGCGAGCACCAGGCGGACTACGACCGCAAGCGCT  
GCTGGGTGTCCAGGAAGACGTCGATGAGTATGTTAACTTGGCCACGAAGAGCAGCAAAGACGATTGCAG  
TCGATCATAAAGAAAATTGACTCGGACTCTGATGGCTTCTTACTGAAAATGAACTCAGTCAGTGGATTC  
AGATGTCTTTAAGCATTACGCTATGCAAGAAGCCAAGCAGCAGTTTGTGGAGTATGATAAGAAGCAGCGA  
CGGCGCTGTGACGTGGGATGAGTACAACATCCAGATGTACGACCGGGTGATTGACTTTGATGAGAACT  
GCTCTGGATGACACAGAAGGGGTCGTTCCAGGACGTTTCTAAAGGATAAGAAGCGATTTGAAAAAG  
CTAACCAGGATTCAGTCTGGTCTGAGTCTTGAAGAGTTCATTGCGTTTGAACCCCTGAAGAAGTTGA  
CTATATGACGGAGTTCGTCATCCAAGAGGCTTTGGAAGAACATGACAAAAATGGCGATGGGTTTGTAGT  
TTGGAAGAATTTCTTGGCGATTACAGGCGGGATCCAATGCAATGAAGACCCAGAATGGATACTTGTG  
AAAAGGACAGATTTGTGAATGATTATGACAAAGATAATGATGGCCGCTTGATCCCAAGAGCTGTTGTC  
ATGGGTAGTGCCTAATAACCAGGCAATGCACAAGAGAAAGCTTTCATCTGATTGATGAGATGGATTTG  
AATAGTGACAAAAAGCTCTCTGAAGAAGAGATTCTGAAAACCAAGACTTGTTCCCTACCAGCGAAGCCA  
CGGATTATGGCCGACAGCTCCATGACGACTACTTCTATCATGACGAGCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG224605 representing NM\_011992  
 Red=Cloning site Green=Tags(s)

MRLGPRPAALGLLLPLLLYAAVAGASKAEELHYPQGEHRADYDREALLGVQEDVDEYVKLGHEEQRRRLQ  
 SIIKKIDSDDSGFLTENELSQWIQMSFKHYAMQEAKQQFVEYDKNSDGAVTWDEYNIQMYDRVIDFDENT  
 ALDDTEEGSFRQLHLKDKKRFEKANQDSGPGLSLEEFIAFEHPPEVDYMTFVVIQEALEEHDKNQDGFVS  
 LEEFLGDYRRDPTANEDPEWILVEKDRFVNDYDKDNDGRLDPQELLSWVVPNNQGI AQEEALHLIDEMDL  
 NSDKKLSSEEEILENQDLFLTSEATDYGRQLHDDYFYHDEL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_011992

**ORF Size:** 960 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\\_011992.2](#), [NP\\_036122.2](#)

**RefSeq Size:** 2042 bp

**RefSeq ORF:** 963 bp

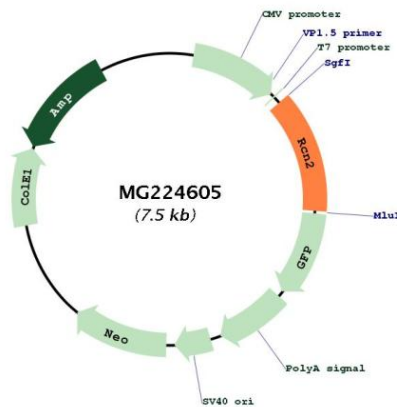
**Locus ID:** 26611

**UniProt ID:** [Q8BP92](#)

**Cytogenetics:** 9 B

**Gene Summary:** Not known. Binds calcium (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG224605