

## Product datasheet for **RR204195**

### Rcn2 (NM\_017132) Rat Tagged ORF Clone

#### Product data:

|                          |   |
|--------------------------|---|
| Product Type:            | Expression Plasmids   |
| Product Name:            | Rcn2 (NM_017132) Rat Tagged ORF Clone                                       |
| Tag:                     | Myc-DDK   |
| Symbol:                  | Rcn2  |
| Vector:                  | pCMV6-Entry (PS100001)  |
| E. coli Selection:       | Kanamycin (25 ug/mL)  |
| Cell Selection:          | Neomycin  |
| ORF Nucleotide Sequence: | >RR204195 representing NM_017132<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCGGCTGGGCCAAGGCCCGGGTCTGGGGCTGCTGCTGCTGCTGCTGTACGCCGGTGGCCG  
GCGCCAGCAAGGCGGAGGAGCTGCATTACCCGAGGGCGAGCACCGGGCGGACTACGACCGCAAACGCT  
GCTAGGTGTCCAGGAAGACGTCGACGAGTATGTTAAACTTGGCCACGAAGAGCAGCAAAGACGATTGCAG  
TCGATCATAAAGAAAATTGACTCGGACTCTGATGGCTTTCTCACTGAAAATGAACTCAGTCAGTGGATTC  
AGATGTCGTTTTAAGCATTATGCCATGCAAGAAGCCAAGCAGCAGTTTGTGGAGTATGACAAGAACAGCGA  
CGGCACTGTGACGTGGGATGAGTACAACGTCCAGATGTATGACCGCGTGATTGACTTTGACGAGAACT  
GCTCTGGATGACACCGAGGAGGAGTCTTTAGGCAGCTCCATCTAAAGGATAAGAAGCGATTTGAAAAAG  
CTAACCAGGATTCTGGCCCTGGTCTGAATCTTGAAGAGTTTATTGCATTTGAACCCAGAAGAAGTTGA  
CTATATGACGGAGTTCGTCATTCAGGAGGCTTTGGAAGAGCATGACAAAAATGGTATGGGTTTGTAGT  
CTGGAAGAATTTCTTGGCGATTACAGGCGGGATCCAACGCAAAATGAAGACCCAGAATGGATACTTGTG  
AAAAGGACAGATTTGTGAATGATTATGACAAAGACAGCGATGGCCGCCTTGATCCCAAGAGCTGTTGTC  
CTGGGTGGTGCCCAATAACCAGGCATTGCCCAAGAGGAAGCTTTCATCTGATTGATGAGATGGATTTG  
AATAGTGACAAAAAGCTCTCGGAAGAAGAGATTCTGAAAAACCAAGACTTGTTTCTACCGAGCGAAGCCA  
CGGATTATGGCAGACAGCTCCACGATGACTATTTCTATCACGATGAGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204195 representing NM\_017132  
 Red=Cloning site Green=Tags(s)

MRLGPRPAVLGLLLLLLLYA AVAGASKAEELHYPQGEHRADYDRETL LGVQEDVDEYV KLGHEEQRR LQ  
 SIIKKIDS DSDGFLTENEL SQWIQMSFKHYAMQEAKQFVEYDKNSDGTVTWDEY NVQMYDRVIDFDENT  
 ALDDTEEE SFRQLHLKDKKRF EKANQDSG PGLNLEEFIAFEHP EVDYMT E FVIQEALEEHDKNGDGFVS  
 LEEFLGDYRRDPTANEDPEWILVEKDRFVNDYDKDSGRLDPQELL SWVVPNNQGI AQEEALHLIDEMDL  
 NSDKKLS EEEI LENQDLFLTSEATDYGRQLHDDYFYHDEL

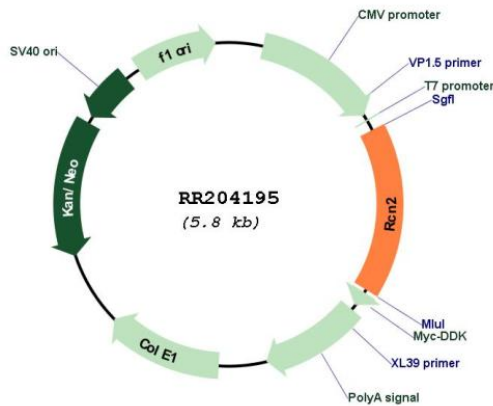
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_017132

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 960 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_017132.2</a> , <a href="#">NP_058828.2</a>   |
| <b>RefSeq Size:</b>           | 2031 bp   |
| <b>RefSeq ORF:</b>            | 963 bp  |
| <b>Locus ID:</b>              | 29218   |
| <b>UniProt ID:</b>            | <a href="#">Q62703</a>  |
| <b>Cytogenetics:</b>          | 8q24  |
| <b>MW:</b>                    | 37.4 kDa  |
| <b>Gene Summary:</b>          | may bind the presynaptic snake venom toxin taipoxin; may bind calcium [RGD, Feb 2006]   |