

Product datasheet for **RR215369**

Rcvrn (NM_080901) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rcvrn (NM_080901) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rcvrn
Synonyms: Rcv1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215369 representing NM_080901
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGAATAGCAAGAGTGGGGCCCTGTCCAAGGAGATCCTGGAGGAGTGCAGCTGAACACTAAGTTCA
CAGAGGAGGAGCTGAGCGCCTGGTACCAGTCTTCTGAAGGAGTGTCTAGTGGCCGCATCACGGGCA
GGAGTTGCAAAGTATCTATTCCAAGTTCTTCCGACTCCGACCCTAAGGCTACGCCCAGCACGTGTTCCGAGCTTCGATGCCAACAGCGATGGTACGCTGGACTTCAAGGAGTATGTGATCGCTCTGCACATGACCA
CGGCGGGCAAGCCACGCAGAAGCTCGAGTGGGCCTTCTCGCTCTACGACGTAGACGGCAATGGGACCAT
CAGCAAGAATGAAGTGTGGAGATCGTCATGGCTATTTTCAAATGATCAAGCCTGAGGATGTGAAGAAC
CTCCCAGATGATGAAAACACCCAGAGAAGCGGGCTGAGAAGATCTGGGCGTCTTTGGAAAAAAGATG
ATGATAAACTTACAGAGGAGGAATTCATCGAGGGGACCCGGCCAATAAGGAAATTCGCGACTGATCCA
GTTTGAACCTCAAAAAGTGAAGGAGAGGATAAAGGAAAAGAAACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215369 representing NM_080901
Red=Cloning site Green=Tags(s)

MGNSKSGALSKEILEELQLNKFTEEELSAWYQSFLKECPSGRITRQEFESIYSKFFPDSDPKAYAQHV
RSFDANSDGTLDKEYVIALHMTTAGKPTQKLEWAFSLYDVDGNGTISKNEVLEIVMAIFKMIKPEDVK
LPDDEPTEKRAEKIWFSGKDDDKLTEEFIEGTLANKEILRLIQFEPQVKERIKEKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

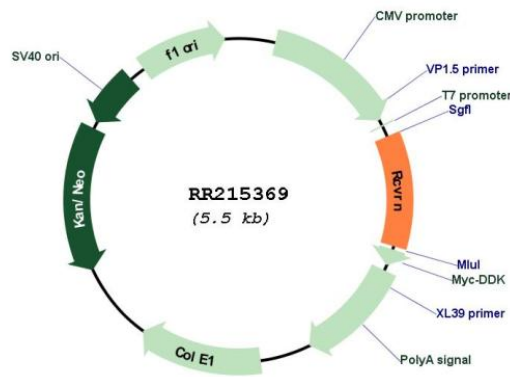
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_080901

ORF Size: 606 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_080901.1](#), [NP_543177.1](#)

RefSeq Size: 861 bp

RefSeq ORF: 609 bp

Locus ID: 140936

Cytogenetics: 10q24

MW: 23.3 kDa

Gene Summary: member of the recoverin family of neuronal calcium sensors; may be involved in phototransduction [RGD, Feb 2006]