

## Product datasheet for **MC209307**

### Rcvrn (NM\_009038) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rcvrn (NM\_009038) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rcvrn  
**Synonyms:** CAR; S-modulin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209307 representing NM\_009038  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGGAACAGCAAGAGCGGTGCCCTGTCCAAGGAGATCCTAGAGGAGTTGCAACTGAACACCAAGTTCA  
CAGAGGAGGAGCTGAGTGCCTGGTACCAGTCTTCTGAAGGAGTGCCCTAGCGGCCGCATCACGGCGCA  
GGAGTTCGAAAGTATCTATTCCAAGTTTTTCCCGACTCCGACCCCAAGGCTACGCGCAGCACGTGTTTC  
CGCAGTTCGATGCCAACAGCGATGGTACGCTGGACTTCAAGGAGTACGTGATTGCTCTGCACATGACCA  
CGGCGGGCAAGCCACGCAGAAGCTCGAGTGGGCCTTCTCGCTCTACGACGTAGACGGCAATGGGACCAT  
CAGCAAAAATGAAGTGTGGAGATCGTCATGGCTATCTTCAAAATGATCAAGCCTGAGGATGTGAAACTC  
CTCCCAGATGTGAAAACACCCAGAAAAGCGGGCTGAGAAGATCTGGGCATTCTTTGAAAAGAAAGAGG  
ATGATAAACTTACAGAGGAGGAATTCATCGAGGGGACCCGGCCAATAAGGAAATCTGCGACTGATCCA  
GTTTGAACCTCAAAAAGTGAAGGAGAGGATAAAGGAAAAGAAACAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009038  
**Insert Size:** 609 bp  
**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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|-------------------------------|---|
| <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>                | <u><a href="#">NM_009038.2</a></u> , <u><a href="#">NP_033064.1</a></u>   |
| <b>RefSeq Size:</b>           | 1076 bp   |
| <b>RefSeq ORF:</b>            | 609 bp  |
| <b>Locus ID:</b>              | 19674   |
| <b>UniProt ID:</b>            | <u><a href="#">P34057</a></u>   |
| <b>Cytogenetics:</b>          | 11 41.13 cM   |
| <b>Gene Summary:</b>          | Seems to be implicated in the pathway from retinal rod guanylate cyclase to rhodopsin. May be involved in the inhibition of the phosphorylation of rhodopsin in a calcium-dependent manner. The calcium-bound recoverin prolongs the photoresponse.[UniProtKB/Swiss-Prot Function]  |