

## Product datasheet for **RR209068**

### Ocln (NM\_031329) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ocln (NM_031329) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ocln
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR209068 representing NM\_031329  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGTGAGGCCTTTTGAGAGTCCACCTCCTTACAGGCCGGATGAATCAAACCAATCATTATGCAC  
 CAAGCAATGCATGTATGGCGGAGAGATGCACGTTGACCAATGCTCTCTCAGCCGGCATACTCTTTTAA  
 CCCGGAAGACGAAATTCTTCACTTCTACAAGTGGACGTCGCTCCAGGGGTGATTGCGATCCTGTCTATG  
 CTCGTCATCGTGATGTGCATCGCTGTATTGCGCTGCGTGGCTTCCACACTTGCTGGGACAGAGCCTATG  
 GAACGGGCATCTTTGGAGGAAGTGAAGTACCCTTACGGCAGCGGCTTCGGTAGCTATGGAGGTGGCTT  
 CGGAGGTTACGGTTACGGCTACGGTTACGGCTATGGAGGGTACACAGACCCAGAGCGGCAAGGGTTTC  
 CTGCTGGCCATGGCGCCTTTTGTTCATCGTTCCTTGGTGATCTTTGTTACCAGCGTCATTAGATCGG  
 GAATGTCCAGAACGAGAAGATACTACTTGTATCGTGATCATAGTCAGCGCAATCCTGGGCATCATGGTGT  
 CATTGCCACGATCGTGTACATAATGGGAGTCAACCCGACTGCCAGGCTTCTGGATCTATGTACGGTTCA  
 CAGATCTATACCATCTGCAGCCAGTTTTATACTCCTGGAGGCACTGGTCTCTACGTGGACCAATATTTGT  
 ATCACTACTGTGTGGTGGATCCCCAGGAGGCTATAGCCATTGTCCTGGGGTTCATGATTATTGTGGCTTT  
 TGCTTTAATCATTGTTTTGCTGTGAAAACCCGAAGAAAGATGGACCGGTATGATAAGTCTAATATTTTG  
 TGGGATAAGGAACACATTTATGATGAACAGCCCCCTAATGTGGAAGAGTGGGTTAAAAATGTGTCTGCAG  
 GCACACAAGACATGCCTCCACCCCCATCTGACTATGCGGAAAGAGTCGACAGTCCAATGGCCTACTCCTC  
 CAACGGCAAAGTGAATGGCAAGAGATCCTACCCAGACTCTTTGTATAAGTCACCGCCTCTGGTACCTGAA  
 GTAGCCCAGGAGATTCTCTGACCTTGTCCGTGGATGACTTCAGGCAGCCTCGGTACAGCAGCAACGATA  
 ACCTAGAGACACCTTCTAAAAGGACTCCACGAAGGGGAAAGCAGGGAAGGCGAAGAGGACAGACCCAGA  
 CCACTATGAAACCGACTACACGACAGGTGGCAGTCTGCGATGAGCTGGAGGAGGACTGGCTCAGGGAA  
 TATCCACCTATCACTTCAGATCAACAGAGACAAGTGTACAAGAGAAATTTGATGCAGGTTTACAGGAGT  
 ATAAGAGTTTACTGGCAGAACTCGACGAGGTCAACAAAGAGCTCTCTCGTCTCGACAGAGAACTGGATGA  
 CTACAGAGAGGAGAGCGAAGAGTACATGGCTGCTGCTGATGAATATAACAGACTAAAGCAAGTTAAGGGA  
 TCTGCAGATTATAAAAGCAAGAAGAACTACTGCAAGCAGTTAAAGAGCAAATATCACACATCAAGAGGA  
 TGGTGGGAGACTATGACAGACGGAAAACCTGGTGGGAGACTATGACAGACGGAAAACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR209068 representing NM\_031329  
 Red=Cloning site Green=Tags(s)

MSVRPFESPPYPDEFKPNHYAPSNDMYGGMHVRPMLSQPAYSFYPEDEILHFYKWTSPPGVIRILSM  
 LVIVMCIAVFACVASTLAWDRAYGTGIFGGSMNYPYSGFSGSYGGGFGGYGYGYGYGGYDPRAAKGF  
 LLAMAFCFIASLVIFVTSVIRSGMSRTRRYLIVIIVSAILGIMVFIATIVYIMGVNPTAQASGSMYGS  
 QIYTICSQFYTPGGTGLYVDQYLHYCVVDPQEAIAIVLGFMIIVAFALIIVFAVKTRRKMDRYDKSNIL  
 WDKEHIYDEQPPNVEEWKNVSAGTQDMPPPSDYAERVDSPMAYSSNGKVNGKRSYPDSLKYSPPLVPE  
 VAQEIPLTSLVDDFRQPRYSSNDNLETSPKRTPTKKGAKAKRTDPDHYETDYYTGGESCELEEDWLRE  
 YPPITSDQQRQLYKRNFDAGLQEYKSLLAELDEVNKELSRLDRELDYREESEEYMAAIDEYNRLKQVKG  
 SADYKSKKNYCKQLKSKLSHIKRMVGDYDRRKTWWETMTDVK

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1242\\_e09.zip](https://cdn.origene.com/chromatograms/ja1242_e09.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_031329

ORF Size: 1569 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 Size: 4148 bp

RefSeq ORF: 1572 bp

Locus ID: 83497

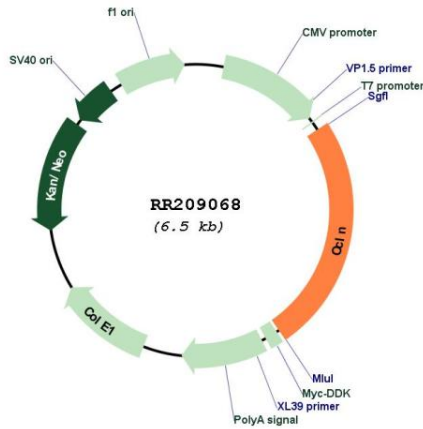
UniProt ID: [Q6P6T5](#)

Cytogenetics: 2q12

MW: 59.2 kDa

Gene Summary: May play a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. May be involved in the organization of actin in endothelial cells. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RR209068