

Product datasheet for **RN209068**

Ocln (NM_031329) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN209068 representing NM_031329
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGTGAGGCCTTTTGAGAGTCCACCTCCTTACAGGCCGGATGAATCAAACCAATCATTATGCAC
 CAAGCAATGACATGTATGGCGGAGAGATGCACGTTGACCAATGCTCTCTCAGCCGGCATACTCTTTTAA
 CCCGGAAGACGAAATTTCACTTCTACAAGTGGACGTCGCCCTCCAGGGGTGATTCGGATCCTGTCTATG
 CTCGTCATCGTGATGTGCATCGCTGTATTGCGCTGCGTGGCTTCCACACTTGCTTGGGACAGAGCCTATG
 GAACGGGCATCTTTGGAGGAAGTATGAACTACCCTTACGGCAGCGGCTTCGGTAGCTATGGAGGTGGCTT
 CGGAGGTTACGGTTACGGCTACGGTTACGGCTATGGAGGGTACACAGACCCAGAGCGGCAAGGGTTTC
 CTGCTGGCCATGGCGCCCTTTGCTTCATCGTTCCTTGGTGATCTTTGTTACCAGCGTCATTAGATCGG
 GAATGTCCAGAACGAGAAGATACTACTTGTATCGTGATCATAGTCAGCGCAATCCTGGGCATCATGGTGT
 CATTGCCACGATCGTGTACATAATGGGAGTCAACCCGACTGCCAGGCTTCTGGATCTATGTACGGTTCA
 CAGATCTATACCATCTGCAGCCAGTTTTATACTCCTGGAGGCACTGGTCTCTACGTGGACCAATATTTGT
 ATCACTACTGTGTGGTGGATCCCCAGGAGGCTATAGCCATTGTCCTGGGGTTCATGATTATTGTGGCTTT
 TGCTTTAATCATTGTTTTGCTGTGAAAACCCGAAGAAAGATGGACCGGTATGATAAGTCTAATATTTTG
 TGGGATAAGGAACACATTTATGATGAACAGCCCCCTAATGTGGAAGAGTGGGTTAAAAATGTGTCTGCAG
 GCACACAAGACATGCCTCCACCCCATCTGACTATGCGGAAAGAGTCGACAGTCCAATGGCCTACTCCTC
 CAACGGCAAAGTGAATGGCAAGAGATCCTACCCAGACTCTTTGTATAAGTCACCGCCTCTGGTACCTGAA
 GTAGCCCAGGAGATTCTCTGACCTGTCCGTGGATGACTTCAGGCAGCCTCGGTACAGCAGCAACGATA
 ACCTAGAGACACCTTCTAAAAGGACTCCACGAAGGGGAAAGCAGGGAAGCGGAAGAGGACAGACCCAGA
 CCACTATGAAACCGACTACACGACAGGTGGCGAGTCTGCGATGAGCTGGAGGAGGACTGGCTCAGGGAA
 TATCCACCTATCACTTCAGATCAACAGAGACAACGTACAAAGAGAAATTTGATGCAGGTTTACAGGAGT
 ATAAGAGTTTACTGGCAGAACTCGACGAGGTCAACAAAGAGCTCTCTCGTCTCGACAGAGAACTGGATGA
 CTACAGAGAGGAGAGCGAAGAGTACATGGCTGCTGCTGATGAATAAACAGACTAAAGCAAGTTAAGGGA
 TCTGCAGATTATAAAAGCAAGAAGAACTACTGCAAGCAGTTAAAGAGCAAATTATCACACATCAAGAGGA
 TGGTGGGAGACTATGACAGACGGAAAACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_031329
- Insert Size:** 1572 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).
- 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_031329.2](#), [NP_112619.2](#)

RefSeq Size: 4148 bp

RefSeq ORF: 1572 bp

Locus ID: 83497

UniProt ID: [Q6P6T5](#)

Cytogenetics: 2q12

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]