

## Product datasheet for **RN213293**

### **Mcoln2 (NM\_001039005) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mcoln2 (NM_001039005) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mcoln2
Synonyms:	MGC124828
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213293 representing NM\_001039005  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCGAAGCGGAAGAGACGCTGGACCTGCCAGCGTGAACCGGCCCGGACCCAGCTTGGGGTCCCC  
 AGCACAGAGCTGCAGTGGCGTCTTTGATTCTGAGGTGAAGGAAGAGTGTCTGAGGGAAGACCTGAAGTT  
 CTACTTCATGAGTCCCTGTGAGAAATACCGAGCCAGACGCCAGATCCCATGGAAACTGGCCTTGAGATT  
 TTGAAGATAGTCATGGTAACCACACAGCTTGTTCGGTTTGGCTTGGTAACAGTTGGTGGTGGCTTTCA  
 AAGAAGATAAACTGTTGCTTTTAAAGCACTGTTTTTAAAGGATTTTCTGGAGTTGATGAAGATGACTA  
 CAGCTGCAGCATATACTCAGGAGGACGCTACGAGAGCATTTTTTGTATAAAGCAGTATCGCCAT  
 CTAAGAACATTTCCCTGGCCACCCTTGGTTATGGAAAAAGTGAAGACAATAGAAGTGGCTTGAGATTCT  
 GTAAGCAGCACTACAAGAGCGGGCCATGTTTTCTTAACGAGACCCTGAACATTGACAGTGACATTGA  
 GACAGACTGCACTCACCTGGACCTCCAGGTGCTACCAAGGACCCCGAGGACTGGGCACAGGCATCGTTC  
 TTCAGGCTGGATTTTCATCGGCTCGTACAAGTGGATATCTTTTTGCCCTCAAAGGAATTGACCTACAGG  
 CAGTTCACCTCCCGAGAGGTACCAGACTGTTACCTCTTTCAGAATACGATTACCTTCGACAACACGGCCCA  
 CAGTGGAAAAATCAAAATCTACTTTAACAGCGAGGCCAACATAGAAGAATGTAACACATGAACTTATCT  
 GGGTCTCTTCAGAGAAGCACCCGCTACGTCCTGGTGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
 CCCTTATCCTGTGCACAAGATCCATTGTTCTTGTCTGAGGCTGAGGAAGAGATTCTAAACTTCTTCT  
 GGAGAAGTACAAACAACCGTGTGTGATGCTGACCGGTGGGAGTTCATCAATGGATGGTACGTCTGGTC  
 ACTATCAGCGACCTCATGACAATAATTGGATCCATATTGAAGATGGAAATCAAAGCCAAGAACCTCACAA  
 ACTATGACCTGTGCAGCATCCTGCTCGGACGTCGACGCTCCTTGTCTGGGTTGGAGTCATCCGATATCT  
 GGGTTACTTTTCAGACGTACAATGCGCTCATTTTAAACCATGCAGGCTCCCTGCCCAAAGTGTCTCCGGTTC  
 AGCGCTTGCGCCGTTTGTATCTACCTGGGCTACACGTTCTGCGGTTGGATTGTCTTAGGGCCGTACCACG  
 AGAAGTTTGAACCTGAACATCGTTGCGGAATGCCTGTTTTCTCTGGTCAACGGTATGACATGTTTGC  
 CACATTTGCTCAGATCCAGCAGAAGAGCCTCCTGGTGTGGCTGTTAGCCGCTCTACTTGTACTCCTTC  
 ATCAGCCTCTTCTACATGGTCTCAGTCTTTTTCATCGCGCTCATACCGATTCTGACACACCATTA  
 AGAAATACCAGCAGAATGGGTTTCTGAAACGGATCTGCAGAAATTCCTGAAGGAGAGTGGTAGCAAAGA  
 AGGGTACCAGAAGGAGCCATCAGCCTTGTGCCCTGTTTCTGCTGTCTGAGGAGGAGGAAAGTGTATGAC  
 CACTTGGTCTCGTTGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001039005
- Insert Size:** 1701 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\\_001039005.1](#), [NP\\_001034094.1](#)

**RefSeq Size:** 2547 bp

**RefSeq ORF:** 1701 bp

**Locus ID:** 292168

**Cytogenetics:** 2q44