

## Product datasheet for **MR208968**

### Coil (BC031167) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Coil (BC031167) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coil
Synonyms:	Cln80, p80-coilin, MGC37472
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208968 representing BC031167  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAGCCTCCGAGACGGTTAGGCTACGGCTTCAATTTGACTACCCGCCCGGCCACTCCACACTGCA  
 CGGTCTTCTGGCTTCTGGTGGACCTGAACAGATGTCGAGTTGTCACGGATCTCATCAGTCTCATCCGCCA  
 GCGCTTCCGGCTCAGTTCGGGGCGCTCCTGGGCTCTATCTGGAAGGGGGCTGCTGCCCTGCCGAG  
 AGCGCGCGCTGGTGAGAGACAACGACAGCCTCAGGGTTAAGTTAGAAGACCAAGGACTCCCTGAGAACC  
 TGATAGTAAGCAATGGTGGCGACTCTAGTTTCCCATGCAGGAAAGCAAAGAAACGGGCTTTTAAGTTGAT  
 GGAGGATGAGGAGACAGATCAGGGATACAAGTCTTGAAGAAGCACTGCAAGAGGCAGGAGGACAGCGGC  
 CAGAATGAGAAGGCTCGGACCTGGAACTAACTCCTCCAGATGAGACGGGGCGGACAAAGAGCAAGA  
 AAAAGAGCAAAGTGACAGGCAGCCAGCCGAAGAGGACGAGGAAGAGACCAAAAAGAAGTCTTAAAAAG  
 AAAGGAGAAGTGAACCGAAGAAGCAGACCAGGGCTCCAAGTCTTCAAACAACAGACGCTAAAGAG  
 GGGGCTCACAGAAGTGCAGTTCCTCCAGGGCTCCCGGAGGCTCGGTAAAGCCCGGAGGAGAGCA  
 GCACGGGGCTAAAAGGTAGCTCAGGCCACCTGTGAGAGTCTGAGTCTGCCAGAGTCACTCAGCGATGG  
 CCACTGCAGTGTGATGATGCAGGAGGTCACCTTTTCCAGAGAACTGTGAGTCTGAGTCTGTTGAAAGATGCA  
 CCTGCTACTAAGACTGCAGTGCACCAACAGGCAGGCCTCAAAGCCTGGCTTACCTTCAGTCCGGCAAGG  
 GCAAGGCTCCAGAACCTCGTATCTAGCTCAGACTCCAGTTCAGAGTCCGGAAGACCAGTTCCTGGTGTG  
 CAAGAACATGCTCGAGGGCGCATCTGGCTTCTTAAAGCCAAGTGGCTCTTGCAGGGCAAGGGGTTCT  
 GGTCCAGGGTGTCAATTGGAGACTCCGGGTATTATGGGATGGAAGTCTTCTGACTCAAACCGGGGACAG  
 AAGTCTTGGTCTCCAGTACGCTGTCCCAAGTTCGGAAGAGGATGGGGGCGAGGAGAGGACTT  
 GTTGTGGGAAGGACTGAGGGCGGGGTGTTCCGGGGCCGAGGGCGAGGGCGCGGCAAGCGGTCTCC  
 TGTGTCTTAAATAGAAGCTCTGAGAGTCAAGAAGCAGAGACAGTTAAACGATATTCTAACAACATCATCTG  
 TGGTGTCCAGAAATCCAGTAGAGCCCCAAGAAGGACTATAGTCTATTACCACTGTTGGCAGTCCCC  
 TCAAGTCGGAGAAAAGATTGCATTTAAGCTTTTGGAACTCACATCCGACTACTCTCTGATGTCTCTGAC  
 TACAAGGAAGGAAAAATTAAGTACAGATCCAGAGACCAGCAAGTGGACATAGAGTCTCTCTCTCGC  
 TACCGGCTTTGAAAGAACCTGGGAAGTTTGATTTGGTCTATCACAATGAAACCGAACCGAGGTGGTGA  
 ATACGCTGTGACTCAGGAGAAGAGGATCACCGTCTCTGGAGAGATTGATCGATCCGAGGCTGATCATT  
 GACTCTTCAGGTAGCATCTCGAGTACA

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208968 representing BC031167  
 Red=Cloning site Green=Tags(s)

MAASETVRLRLQFDYPPPATPHCTVFWLLVDLNRVVDLISLIRQRFSSGALLGLYLEGGLLPPAE  
 SARLVRDNDSLRVKLEDQGLPENLIVSNGGSSFPCKRKKRAFKLMEDEETDQGYKSSKHCKRQEDSG  
 QNEKASDLETKLLPDETGRTKSKKSKVTGSPAEEDEETKSKSRKEKCEPKKQTRASKSSKQTPKE  
 GASQNCSPRASPRSLGKARRRSTGLKGSSGHLSESESCPEVSDGHCSVMMQEVTFSEKLSAELLKDA  
 PATKTAANRQASKPGFTFSSGKGASRTSSSSDSSSESDQFLVSKNMLEGASGFLKPTGLFAGQGG  
 GPGLSLETPGIMGWKSSDSNRGRQAPPPSTPVPTSLGRGWGRGEDLLFGKGLRGRGVRGRGRGQAVS  
 CVFNRSSESQKQRQLNDILTNSVVIQNPVEPPKKDYSLLPLLAAPQVGEKIAFKLLELTSDYSPDVSD  
 YKEGKILSHDPETQQVDIEVLSSLPALKEPKFDLVYHNENGTEVVEYAVTQEKRI TVLWRELIDPRLII  
 DSSGSISST

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9034\\_d09.zip](https://cdn.origene.com/chromatograms/mm9034_d09.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** BC031167

**ORF Size:** 1707 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:** [BC031167.1](#)

**RefSeq Size:** 2653 bp

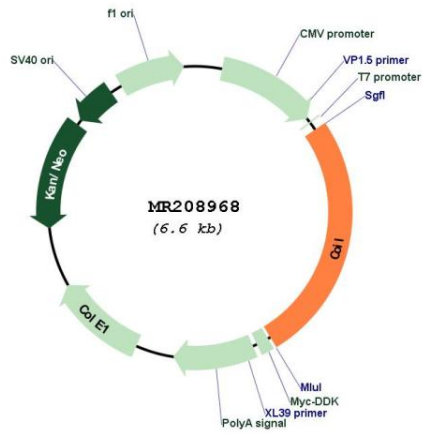
**RefSeq ORF:** 1709 bp

**Locus ID:** 12812

**Cytogenetics:** 11 54.34 cM

**MW:** 97.2 kDa

Product images:



Circular map for MR208968