

Product datasheet for **MG208968**

Coil (BC031167) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coil (BC031167) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Coil
Synonyms:	Cln80, p80-coilin, MGC37472
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208968 representing BC031167
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGCCTCCGAGACGGTTAGGCTACGGCTTCAATTTGACTACCCGCCGCCGACTCCACACTGCA
 CGGTCTTCTGGCTTCTGGTGGACCTGAACAGATGTCGAGTTGTCACGGATCTCATCAGTCTCATCCGCCA
 GCGCTTCCGGCTTCACTCCGGGGCGCTCCTGGGCTCTATCTGGAAGGGGGCTGCTGCCCTGCCGAG
 AGCGCGCGCTGGTGAGAGACAACGACAGCCTCAGGGTTAAGTTAGAAGACCAAGGACTCCCTGAGAACC
 TGATAGTAAGCAATGGTGGCGACTCTAGTTTCCCATGCAGGAAAGCAAAGAAACGGGCTTTTAAGTTGAT
 GGAGGATGAGGAGACAGATCAGGGATACAAGTCTTGAAGAAGCACTGCAAGAGGCAGGAGGACAGCGGC
 CAGAATGAGAAGGCTCGGACCTGGAACTAACTCCTCCAGATGAGACGGGGCGGACAAAGAGCAAGA
 AAAAGAGCAAAGTGACAGGCAGCCAGCCGAAGAGGACGAGGAAGAGACCAAAAAGAAGTCTTAAAAAG
 AAAGGAGAAGTGAACCGAAGAAGCAGACCAGGGCTCCAAGTCTTCCAAACAACAGACGCCTAAAGAG
 GGGGCTCACAGAAGTGCAGCTTCCCAGGGCTCCCCAGAAGCCTCGGTAAAGCCCGGAGGAGAAGCA
 GCACGGGGCTAAAAGGTAGCTCAGGCCACCTGTGAGAGTCTGAGTCTGCCAGAGTCACTCAGCGATGG
 CCACTGCAGTGTGATGATGCAGGAGGTCACCTTTTCCAGAGAACTGTGAGTGTGTTGAAAGATGCA
 CCTGCTACTAAGACTGCAGCTGCCAACAGGCAGGCCTCAAAGCCTGGCTTTACCTTCAGCTCCGGCAAGG
 GCAAGGCTCCAGAACCTCGTATCTAGCTCAGACTCCAGTTCAGAGTCCGGAAGACCAGTTCCTGGTGT
 CAAGAACATGCTCGAGGGCGCATCTGGCTTCTTAAAGCCAAGTGGCTCTTGCAGGGCAAGGGGTTCT
 GGTCCAGGGTGTCAATTGGAGACTCCGGGATTATGGGATGGAAGTCTTCTGACTCAAACCGGGGACAG
 AAGCTCTGGTCTCCAGTACGCTGTCCCACCAAGTTTGGGAAGAGGATGGGGCGGAGGAGAGGACTT
 GTTGTGGGAAGGACTGAGGGGCCGGGTGTTCCGGGGCCGAGGGCGAGGGCGCGGCAAGCGGTCTCC
 TGTGTCTTAAATAGAAGCTCTGAGAGTCAAGAAGCAGAGACAGTTAAACGATATTCTAACAACTCATCTG
 TGGTATCCAGAAATCCAGTAGAGCCCCAAGAAGGACTATAGTCTATTACCACTGTTGGCAGTCCCC
 TCAAGTCGGAGAAAAGATTGCATTTAAGCTTTGGAACTCACATCCGACTACTCTCTGATGTCTCTGAC
 TACAAGGAAGGAAAAATTAAGTACGATCCAGAGACCAGCAAGTGGACATAGAGTCTCTCTCTCGC
 TACCGGCTTTGAAAGAACCTGGGAAGTTTGATTTGGTCTATCACAATGAAACCGAACCGAGGTGGTGA
 ATACGCTGTGACTCAGGAGAAGAGGATCACCGTCTGAGAGAGTTGATCGATCCGAGGCTGATCATT
 GACTCTCAGGTAGCATCTCGAGTACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208968 representing BC031167
 Red=Cloning site Green=Tags(s)

MAASETVRLRLQFDYPPPATPHCTVFWLLVDLNRVVTDLISLIRQRFSSGALLGLYLEGGLLPPAE
 SARLVRDNDSLRVKLEDQGLPENLIVSNGDSSFPCKRKAHKRAFKLMEDEETDQGYKSSKHCKRQEDSG
 QNEKASDLETKLLPDETGRKSKKSKVTGSPAEEDEEETKKKSSKRKEKCEPKKQTRASKSSKQTPKE
 GASQNCSPRASPRSLGKARRSSTGLKGSSGHLSESESCPEVSDGHCSVMMQEVTFSEKLSAELLKDA
 PATKTAANRQASKPGFTFSSGKGKASRTSSSSDSSSESDQFLVSKNMLEGASGLKPTGLFAGQGGG
 GPGLSLETPGIMGWKSSDSNRGRQAPPPSTPVPTSLGRGWGRGDLDFGKGLRGRVGRGRGRGQAVS
 CVFNRSSESQKQRLNDILTNSVVIQNPVEPPKKDYSLLPLLAAPQVGEKIAFKLLELTSDYSPDVSD
 YKEGKILSHDPETQQVDIEVLSSLPALKEPGKFDLVYHNENGTEVVEYAVTQEKRITVLWRELIDPRLII
 DSSGSISST

TRTRPLE - GFP Tag - V

Restriction Sites:

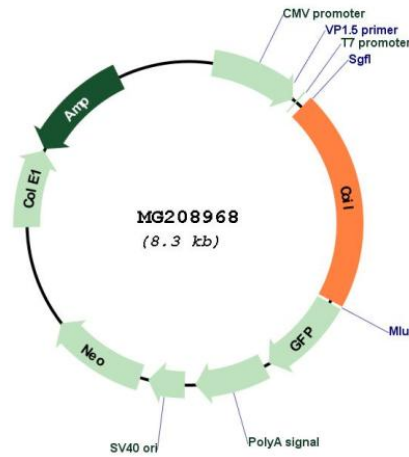
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<ol style="list-style-type: none">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