

Product datasheet for **MR214990**

Coil (NM_016706) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coil (NM_016706) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coil
Synonyms:	C79982; Cln80; p80; p80-coilin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR214990 representing NM_016706
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAAGATGGCAGCCTCCGAGACGGTTAGGCTACGGCTTCAATTTGACTACCCGCCCGGCCACTC
 CACACTGCACGGTCTTCTGGCTTCTGGTGGACCTGAACAGATGTCGAGTTGTACCGATCTCATCAGTCT
 CATCCGCCAGCGCTTCGGCTCAGTTCGGGGCGCTCCTGGCCTCTATCTGGAAGGGGGCTGCTGCC
 CCTGCCGAGAGCGCGCCTGGTGAAGACAACGACAGCCTCAGGGTTAAGTTAGAAGACCAAGGACTCC
 CTGAGAACCTGATAGTAAGCAATGGTGGCGACTCTAGTTTCCCATGCAGGAAAGCAAAGAAACGGCTTT
 TAAGTTGATGGAGGATGAGGAAACAGATCAGGGATAACAAGTCTTTGAAGAAGCACTGCAAGAGGCAGGAG
 GACAGCGCCAGAATGAGAAGGCCTCGGACCTGGAACTAACTCCTCCAGATGAGACGGGGCGGACAA
 AGAGCAAGAAAAAGAGCAAAGTGACAGGCAGCCAGCCGAAGAGGATGAGGAAGAGACAAAAAGAAGTC
 TTCAAAAAGAAAGAGAAGTGTGAACCGAAGAAGCAGACCAGGGCTCCAAGTCTTCAAACAACAGACG
 CCTAAAGAGGGGGCTCACAGAAGTGCAGCTTCCCGAGGGCTCCCCAGAACGCTCGGTAAAGCCCGAA
 GGAGAAGCAGCAGGGGGTAAAAGGTAGCTCAGGCCACCTGTCAGAGTCTGAGTCTGCCAGAGTCACT
 CAGCGATGGCCACTGCAGTGTGATGATGCAGGAGGTACCTTTTTCAGAGAACTGTGAGTGTGCTGTTG
 AAAGATGCACCTGCTACCAAGACTGCAGCTGCCAACAGGCAGGCCTCAAAGCCTGGCTTTACCTTACGCT
 CCGGCAAGGGCAAGGCCTCCAGAACCTCGTCATCCAGTTCAGACTCCAGTTCAGAGTCCGGAAGACCAGTT
 CCTGGTGTCCAAGAACATGCTCGAGGGCGCATCTGCTGGCTTCTTAAAGCCAAGTGGCTCTTTCAGGG
 CAAGGGGGTCTGGTCCAGGGCTGTCTTGGAGACTCCGGTATTATGGGATGGAAGTCTTCTGACTCAA
 ACCGGGGCAGACAAGCTCCTGGTCTCCAGTACGCTGTCCCAAGTTCAGGAGAGGATGGGGGGCG
 AGGAGAGGACTTGTGTTTGGGAAGGGACTGAGGGCCGGGGTGTCCGGGGCCGAGGGCCGAGGGCCGGG
 CAAGCGGTCTCCTGTGCTTTAATAAGAAGCTCTGAGAGTCAAGAAGCAGAGACAGTTAAATGATATTCTAA
 CAAACTCATCTGTGGTATCCAGAATCCAGTAGAGCCCCCAAGAAGACTATAGTCTATTACCACTGTT
 GGCAGTGTCCCTCAAGTTGGAGAAAAGATTGCATTTAAGCTTTTGGAACTCACATCCGACTACTCTCCT
 GATGTCTCTGACTACAAGGAAGGAAAAATTAAGTACAGATCCAGAGACCCAGCAAGTGGACATAGAGG
 TCCTCTCCTCGTACCGGCTTTGAAAGAACCTGGGAAGTTTATTGGTCTATACAATGAAATGGAAC
 CGAGGTGGTGAATACGCTGTGACTCAGGAGAAGAGGATCACCGTCTCTGGAGAGATTGATCGATCCG
 AGGCTGATCATTGACTCTTCAGGTAGCATCTCGAGTACA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214990 representing NM_016706
 Red=Cloning site Green=Tags(s)

MSKMAASETVRLRLQFDYPPPATPHCTVFVLLVDLNRVVDLISLIRQRFSSGALLGLYLEGLLP
 PAESARLVRDNDLRLVKLEDDQGLPENLIVSNGDSSFPCKRKKRAFKLMEDEETDQGYSLKHKHCKRQE
 DSGQNEKASDLETKLLPDETGRTKSKKSKVTGSPAEEDEEETKKKSSKRKEKCEPKKQTRASKSSKQQT
 PKEGASQNCSPRASPRSLGKARRRSSTGLKSSGHLSESECPESVSDGHCSVMMQEVTFSEKLSAELL
 KDAPATKTAANRQASKPGFTFSSGKGAASRTSSSSDSSSESEDQFLVSKNMLEGASAGFLKPTGLFAG
 QGGSGPGLSLETPGIMGWKSSDSNRGRQAPGPPSTPVPTSLGRGWGRGEDLLFGKGLRGRVGRGRGRG
 QAVSCVFNRSSESQKQRLNDILTNSSVVIQNPVEPPKDYSLPLLAAPQVGEKIAFKLLELTSDYSP
 DVSDYKEGKILSHDPETQQVDIEVLSLPAKKEPKFDLVYHNENGTEVVEYAVTQEKRITVLWRELIDP
 RLIIIDSSGSISST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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:	NM_016706.2 , NP_057915.2
RefSeq Size:	2609 bp
RefSeq ORF:	1722 bp
Locus ID:	12812
Cytogenetics:	11 54.34 cM
MW:	62.7 kDa