

Product datasheet for **RR206553**

Coil (NM_017360) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coil (NM_017360) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Coil
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206553 representing NM_017360
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCTCCGAGACGGTTAGGGTACGACTTCAATTTGACTACCCGCCGCCGACTCCACACTGCA
 CGGTCTTCTGGCTTCTAGTTGACCTGAACAGATGCCGAGTTGTCACAGATCTCATCAGTCTCATCCGCCA
 GCGCTTTGGCTTCAAGTCCGGGGCGCTCCTGGGCTCTATCTGGAAGGGGGCTTCTGCCCCCTCCGAG
 AGCGCGCGCTGGTGAGAGACAACGACTGCCTCAGGGTTAAGTTAGAAGACCAAGGACTCCCTGAGGCTT
 TGATAGTAAGCAATGGCGGCGACTCTAATTTCCCATGTAGGAAATCAAAGAAGCGGGCTTTAAGTTGGT
 GGAGGACGAGGAGACGGACCAGGGTTACAAGTACCCTGACAAGTACTGGAAGAGGCAGGAGGACAGCGGC
 CCTAATGAGAAGGCTCAGACCTGGAGACAAAACCTTCCAGACGAGGTGCGGCGGACAAAGAACAAGA
 GAAAAAGCAAAGTGGCAGGCATCCCTGCTGAGGAGGACGAGGAAGAGACCAAAAAGAAGTCTTAAAAAG
 AAAGGAGAAATGTGAACAGAAGAAGCAGACCAGGGCTCCAAGTCTCCAAACAACAGACACATAAAGAG
 GGAGGCTCACAGAACTGCAGTTCCTCCAGGGCTCCTACAGAAGCAGCCTTGCTAAAGCCCGGAGGAGAA
 GCAGCACAGGGGCAAAAGGTAGTCCAAGTACCTGTCAGAGTCTGAGTCTGTCCAGACTCAGTCACTGA
 TGGCCACTGCAGTGTACGACGATGCAGGGGTACCTTATCAGAGAACTGTCAGTGTGAGTGTGAAA
 GACGGAGCTACAAAACCTGCAGCTGCCAACAGACAGTCTCAAAGCCTAGCTTCACTTCCAGTCCGGCA
 AGGGCAAGGCCTCCAGAGCCTCGTCTTCCAGTTCAGACTCCAGTTCAGAGTCAGAAGACCAGTTCCTGGT
 GTCCAAGAATGCTGGAGGGCACATCTGACTTCTTAAAGACAACAGGCCTTTTGCAGGGCAAGGGTGT
 TCCAGTCCAGGGCTGTCTTTGGAGACTCCGGGTATTATGGGATGGAAGCCTTCTGACTCAACAGAGGCA
 GACAGGCTCCTGGTCCCAACGTGCTTCCCCTCCAGTTTGGGAAGAGGATGGGGCGGAGGAGGACTT
 CTGTTTTGGGAAGGGACTGAGGGGCGGGGTATTCCGGGGCCGAGGGCGAGGTTCGAGTCAAGTGTCTCC
 TGTATCTTAAATAGAAGCTCTGAGAGCCAGAAGCAGAAACAGTTAAATGATATTCTAACCACTCATCCA
 CGGTGATCCAGAAATCCAGTAGAGACCTCCAAGAAGGACTATAGTCTGTTACCACTCTTAGCAGTCCCC
 TCAAGTCGGAGAAAAGATTGCCTTCAAGCTTTTGGAACTTACATCCGACTATTCTCCTGATGTCTCTGAC
 TACAAGGAAGGAAAAATATTAAGCCACGATCCAGAGACCAGCAAGTGGATATTGAAGTCTCTCTCC
 TACCGGCTTTGAAAGAACCTGGGAAGTTTGATTTGGTCTATCACAATGAAACCGAACCGAGGTGGTGA
 ATACGCTGTGACGACGAGAGAAGCGGATCACTGTGTCTGGAAGAGTTGATCGATCCGAGACTGATTATT
 GACTCTTCAAGTAGCATCTCAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206553 representing NM_017360
 Red=Cloning site Green=Tags(s)

MAASETVRVRLQFDYPPPATPHCTVFWLLVDLNRVVDLISLIRQRFSSGALLGLYLEGGLLPPSE
 SARLVRDNDCLRKLEQGLPEALIVSNGGDSNFPCKRSKKRAFKLVEDETDQGYKYPDKYWKQEDSG
 PNEKASDLETKLPDEVRRRTKNRKSQVAGIPAEDEEETKSKSRKEKCEQKKQTRASKSPKQQTTHKE
 GGSQNCSPRASYSRLAKARRSSTGAKGSPSYLSESECPDSVSDGHCSVTTMQVTLSEKLSAELLK
 DGATKTAANRQSSKPSFTFSSGKGASRASSSSDSSSESEDQFLVSKNMLEGTSDFLKTTLGFLAGQGC
 SSPGLSLETPGIMGWKPSDSNRGRQAPGNVPVPSLGRGWGRGEDFLFGKGLRGRGIRGRGRGRGQTVS
 CILNRSSESQKQQLNDILNNSSTVIQNPVETSKKDYSLLPLLAAPQVGEKIAFKLLELTSYSPDVSD
 YKEGKILSHDPETQQVDIEVLSLPAKKEPKFDLVYHNENGTEVVEYAVTQEKRITVFWKELIDPRLII
 DSSSSISSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

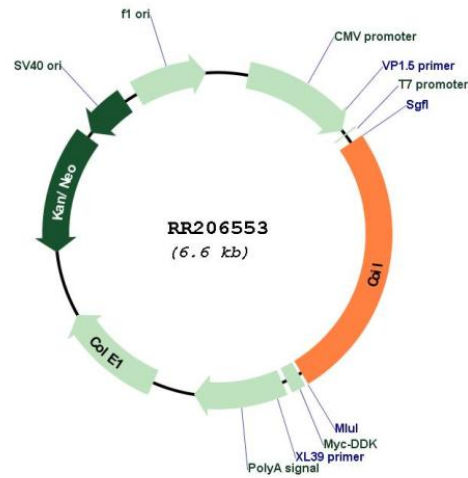
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_017360

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:	NM_017360.1 , NP_059056.1
RefSeq Size:	2580 bp
RefSeq ORF:	1710 bp
Locus ID:	50998
Cytogenetics:	10q26
MW:	62.4 kDa
Gene Summary:	mouse homolog protein localized to nuclear Cajal bodies [RGD, Feb 2006]