

Product datasheet for **MR212605**

Cylc2 (NM_001162865) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cylc2 (NM_001162865) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cylc2
Synonyms:	4930488P18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR212605 representing NM_001162865
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTATACCAAGATTCCTAAAAGTAACATATGGAGCATACGATAATTACATTCAGTCAGTGAGTTAA
 GCAAAAAATCATGGAATCAGCAACTTTTCCCTGGCATTCCCAAACCAAGGCCAGGAAAAAACG
 GAGATCACTACCTCCCGAGTTACAGAACAATACAGCTCCTGTAATTGATGAAGAAAAATTAGGAGTTCAC
 AGACCACCATTATGGATGCACCGTTCCTGATGAGAATATCCGAGAGACCATCCGTTTATTTAGCTGCCA
 GGAAGGGCCTTATACCAAACCACTTCATTTGGCAAGGGAGAGTCGAAAAGCGTGGGCACACACAAGTC
 TTTGGCTTCAGAAAAACAAGAAAGAAGTAAAAATGAAAAAGATGGATTTGAAGCAAAAGAGAAGACA
 GCGTTAAAGACAGACAAGGAGGGAAGTCCCAAACCAAGTAAAAAGAACATTCCAAGGGATTCACAAAAGG
 ACAAGGGAAGAGTATCTCAGATTCTGAAGGCCAAAAGGCTGGTGTGAAGAAGGGATCCAAGAAAGTTAA
 AAATACACCTAAGGGTAAAGATTCAGCCTCAGAATCTGAGGGTAAAAGGCTGGATCCAAGAAAGGAAGCC
 AAGACCACTAAAAAGGATCCAAGGATAAAGTGTGAGCCACAGAATCTGGAGGTAAAAGGCTGGTTCGA
 AGAAGGAAGCCAAAGGCCACTAAAAAGGATCCAAGGATAAAGTGTGAGGCACAGAATCTGGAGGTAAAA
 GGCTGGTTCGAAGAAGGAAGCCAAGACCACTAAAAAGAAATCCAAGGATAAAGTGTGAGCCACAGAATCT
 GGAGGTGAAAAGGCTGGTTCGAAGAAGGAAGCCAAGGATGATAAAAAAGATGCAACGAGCTCACAAGAAA
 CACTTTTAAGTACAGCAGCTGACAAAGATGGCAAAAAGAAAGAAAGAAAACCAGTTAAACAGAGTTCAAA
 AAGCAAAGATACGGTTAAAGATTCTGCAAGTAAAAGGGAGATGAAAAGAAAGAGGACAAGAAGGAAGGG
 AAAAAGGAGAAGAAAAGAAAGATGGAGAAGGAAAAGAGGGTGGTAAGAAAGAGAAGAAAAGACAAGAAGG
 ACAAGAAAAGACAAAAGGACAAGAAGGACAAGAAGACAAGAAGACAAGAAAAGAAAAGACAAGAAGAA
 CAAGAAAAGATAAGAAAGATAAGAAAGATAAGAAAGATAAGAAAGACAAGAAGACAAGAAGACAAGAAA
 GCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212605 representing NM_001162865
 Red=Cloning site Green=Tags(s)

MSIPRFLKVTYGAYDNYIPVSEL SKKSWNQYFSLAFP KPPRPGKKRRSLPSQLQNTAPVIDEEKLVH
 RPPLWMHRSLMRISERPSVYLAARKGLIPKPLHFGKGESKSVGTHKSLASEKTKKEVKMKKDGFEAKEKT
 ALKTDKEGSPKPAKKNIPRDSQDKGRVSSDSEGEKAGVKKGSKKVKNTPKGKDSASESEGEKAGSKKEA
 KTTKKGSKDKVSATESGGGEKAGSKKEAKATKKGSKDKVSGTEGGGEKAGSKKEAKTTKESKDKVSATES
 GGEKAGSKKEAKDDKDATSSQETLLSTAADKDGKKKEEPVKQSSKSDTVKDSASEKGDKEKDKKEG
 KKEKDKDGEKGGKKEKDK
 AK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001162865

ORF Size: 1266 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: [NM_001162865.1](#), [NP_001156337.1](#)

RefSeq Size: 1297 bp

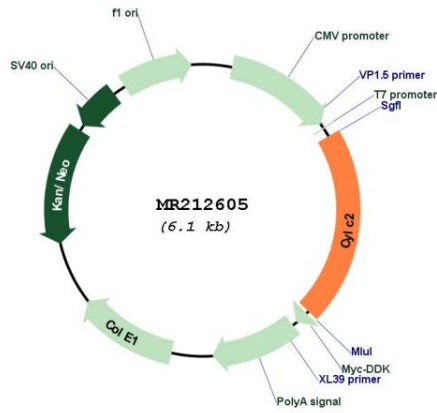
RefSeq ORF: 1269 bp

Locus ID: 74914

Cytogenetics: 4 B1

MW: 46.7 kDa

Product images:



Circular map for MR212605