

Product datasheet for **MG221284**

Cylc1 (NM_026134) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cylc1 (NM_026134) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cylc1
Synonyms:	4930401M13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221284 representing NM_026134
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTTTCAAACCTGGACAGTGAAAAATTGACTATTGAAGATGTTCAAACCTCAAGTCTTCTCTGTC
 GACGAGAAATAAATACCAACATATGATGATTACATTCTGAGCATTCAAACCTAGCGAAAAACAGAAATCA
 AGAACATTTTGTGTTGACATTTCCCAAAACACCTATGCCAGATAAAAAAGAGATCAGGACCTTCAGAA
 TTAGAAGTTGAGTTCTATACAAGTGAAGGAAAAATTGAGAAAGATCAGAAACCAACTCACGTATGGA
 TAAACCAGTTTTAAGAGACATTTCTTAAAGTCATCCTTTTCTCGGCCGTTTATTACACAAGCTCCATT
 CAAATATCTTTAATCCTCAAACCATATACAATGGCAGAAAGTAGAAAGTCCAAAAATGATGAAAGA
 AGAAAACTTTGAAGATAAAGTTCAGGGGAAAAATAAGCTCATGTGTAGTAAATCTGGAGCCCATGAGAA
 CAATAACCAATGGGAACCTGAAATACTAGGCAATACAGAAAAAATCCATCAAATCATCACATAAAAT
 TAAATTGCCTAAGACGTCAAATCTACATCAGAAACAAATCTAGAATACAACAATCAAAGAAAACCTTG
 GAAATGAGTTTGAGAAATGGCAACAAAAATTCATGAACCTTTGTTCTGAAGGGGAATGCAGCCACATGTT
 GCAAGGACAATCCAATACAGACTCTAAGAAGAGTGTGAAGAATTTTCTGATGACATATCAGAGTGTAT
 AAACAGCTCAAATATGGATTTAATGTTGCGTCTAAATGAGTTCAGAGCTGAATTCACAGATTTGGATGTA
 TGGTCAACAAATTGCTCAGAAACAATGCAAGAAGCCTTTAAAGACGGGAGGAAAGAAGGAAAGGGACT
 CAGATATTGATTCTGGAGGCTCAAAGATGCAAGAAAGAGGGGAAAGAAAAAGGCAAGAGAGAATCCAG
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 CACGATAAAAAAATGAAATTAAGAAAAAGAAGGATACAGACTCTACTGGTAGTGGATCTGGGGCGTCCA
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 GCATCCTCTGAAAGTGTCTGATTTGGGAGTAAACAAAAAGAAAATAAAATAAGGAAATAGTGAGTT
 TCAGTGATTCAACATCTGATTCAATTCTAAGGCAGGCAGAAAGAAAAATGTAAGGCGCTCAGATCCGA
 ATCTGAAGATTGCTCAGGGTTCAGAGTTTTAAAGTCAACTGATGATTGAGAGCCTCATCCACAGACTCC
 AAGACGGGAATGCCAGGAATGAGAAGAGGATTCAGATCATTATCCAAAAGACTACTTTCAATGAAAGGG
 GAAAAAGAAGTGTGACCGGTAGAATCCCTTCATCAAGAGAAAGACTACCTTTCCCTCCTGTGAGCCTTT
 TAGAGCATCACCTAAGCCTGTGCATGTCTGTAAGTGAAGGAATCTCCATCTCCAAAAGCAAGATATGCT
 CCTTTGGTATGTTTACTAATAATAACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG221284 representing NM_026134
 Red=Cloning site Green=Tags(s)

MSLSKLDSEKLTIEDVQTSSSSCRREINTTYYDDYILSIQTSEKQNEHFVLTFFPKTPMPDKKKRSGPSE
 LEVAVPIQVQRKIEKDQKPTHVWINQFLRDI FLKSSF SRPFI TQAPFKYL YNPQNHYTMAESRKS KNDER
 RKTLKIKFRGKISSCVNLEPMRTITNGEPEILGNTEKNPSKSSHKIKLPKTSNSTSETNLEYNNSKKT
 EMSLRNGNKNMNFVLKGAATCCKDNPNTDSKKSVEEFSDDI SECINSSNMDLMLRLNEFRAEFTDLV
 WSTNCSQNNAKKPLKTGGKKERDSIDSGGSKDAKKEGKKGKRESRKRKRNTESSDAESGDSKDGKSK
 HDKNEIKKKKDDSTGSGSGSMVSKKGTTEKSTGKSTGSGTSESVDSKSTNKVKKQVKKGVMMKAV
 STDSESDASSKSKKDEKKNKGRKKPKIKDTESTDADSESEGDSTGKNEKDKKIKTKGKEDAKKNT
 ASSESEDLGVNKKTKIKEIVSFSDSTSDSYSKAGRRKNVRRSDSESEDSGFRVLKSTDDSEASSTDS
 KTGMPGMRRGFRSLSKTTFNERRKRSVTGRIPSSRERLFPFPCEPFRASPKPVHVCKCKESPSPKARYA
 PLVCLLIINT

TRTRPLE – GFP Tag – V

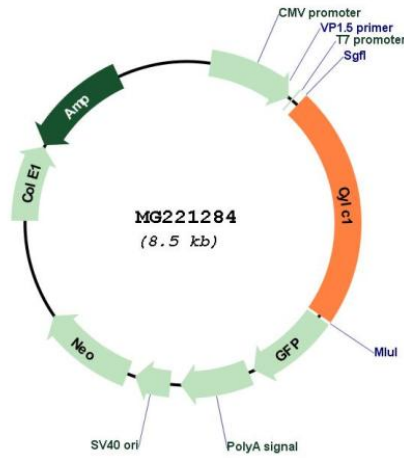
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_026134

ORF Size: 1920 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_026134.2 , NP_080410.2
RefSeq Size:	1963 bp
RefSeq ORF:	1923 bp
Locus ID:	67407
UniProt ID:	G3X9R0
Cytogenetics:	X E1