

Product datasheet for MR205660

Mycl (NM_008506) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mycl (NM_008506) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mycl
Synonyms:	AW536278; bHLHe3; bHLHe38; L-myc; L-myc; Lmyc; Lmyc-; Lmyc-1; Lmyc1; Mycl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205660 representing NM_008506 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTCGACTCGTATCAGCACTATTTCTACGACTATGACTGCGGAGAGGATTTCTACCGCTCCACGG
CGCCAGCGAGGACATCTGGAAGAAATTCGAGCTGGTCCCGTCGCCCCACGTCGCCGCCCTGGGGCTC
CGGTCCCGGCCGCTGGACCCAGCCTCTGGGATTAATCCCGGGAGCCGTGGCCTGGAGGGGTGCCGG
GACGAGGCGGAATCTCGGGCCATTCGAAAGCCTGGGCGAGGAATTATGCTTCCATCATTGCCGTGACT
GCATGTGGAGCGCTTCTCCGCCGAGAACGGCTGGAGAGAGTGGTGGAGCAGGCTGGCCCCAGCGC
GCCCGGGGAACCCGCCAAAGCGCCGCTACCCGGACGGCACTCCTAGTCTGGAAGCCAGTAACCCG
GCGCCCGCCACCAATGTGAGCTGGGCGAGCCAAAGACTCAGGCCTGCTCCGGTCCGAGAGCCCAAGCG
ATTCTGAAGGTGAAGAGATTGACGTGGTGACCGTGGAGAAGAGGCGATCTCTGGACATCCGAAAGCCAGT
CACCATCACGGTGCAGCAGACCCCTGGACCCCTGCATGAAGCACTTCCATATCTATCCACCAACAG
CAGCATAACTATGCTGCCGTTTTCTCCAGAAAGTTGCTCTCAAGAGGGGATCCTGAGCCAGTCCCC
AGGAAGAGGCTCCGGAGATAGAAGCTCCAAGGAGAAAGAGGAGGAGGAAGGAAGAGGAGGAAGAAGA
GATTGTGAGCCCCCACCTGTGGAAGTGAGGCTCCCCAGTCTGCCACCCAAACCTGTCAGTTCTGAC
ACTGAGGACGTGACCAAGAGGAAGAACCATAACTTCTTGAACGAAAAAGGAGGAATGACCTCCGCTCCC
GGTTCTAGCCCTGCGGACAGGTTCCACCCTGGCCAGCTGCTCTAAGGCCCCAAAGTCGTGATCCT
CAGCAAGCGTTAGAATACTTGACAGCTTTGGTGGGGCTGAAAAGAAAATGGCTACAGAGAAAAGGCAG
CTCCGGTGTGCGCAACAGCAACTGCAAAAGAGAATCGCGTACCTCAGTGGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205660 representing NM_008506
Red=Cloning site Green=Tags(s)

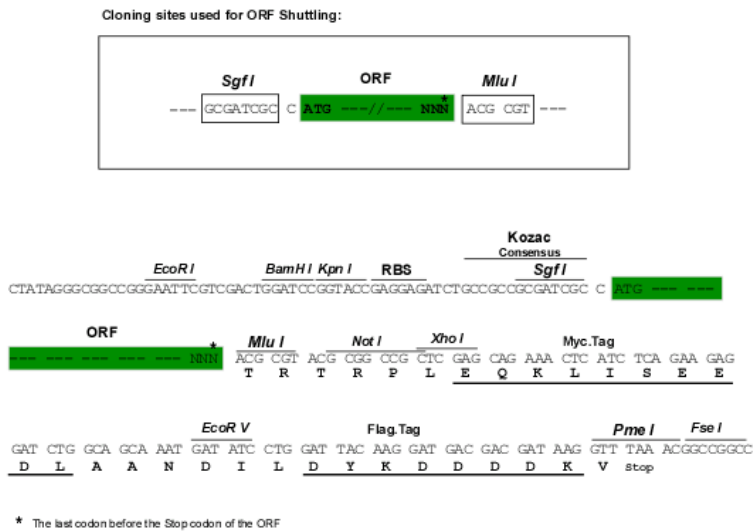
MDFDSYQHIFYDYDCGEDFYRSTAPSEDIWKKFELVSPPTSPPWGSGGAVDPASGINPGEPWPGGGAG
 DEAESRGHSAWGRNYASII RRDCMWSGF SARERLERVSDRLAPGAPRGNPPKAPATPDGTPSLEASNP
 APATQCQLGEPKTQACSGSESPSDSEGEEIDVVTVEKRRSLDIRKPVITIVRADPLDPCMKHFHISIHQQ
 QHNYAARFPPESCSQEGDPEPGPQEEAPEIEAPKEKEEEEEEEEEEEIVSPPPVGSEAPQSCHPKPVSSD
 TEDVTKRKNHNFLERKRRNDLRSRFLALRDQVPTLASCASKAPKVIVILSKALEYLQALVGAEKKMATEKRQ
 LRCRQQQLQKRIAYLSGY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9035_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008506

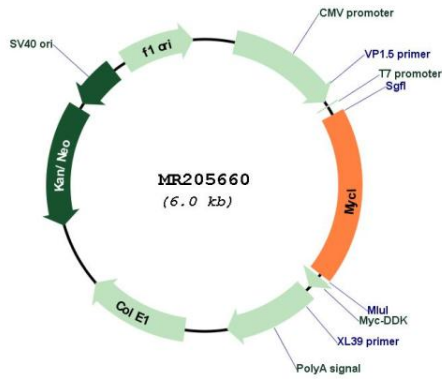
ORF Size: 1104 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_008506.3
RefSeq Size:	3518 bp
RefSeq ORF:	1107 bp
Locus ID:	16918
UniProt ID:	P10166
Cytogenetics:	4 57.36 cM
MW:	41.3 kDa
Gene Summary:	This gene encodes a basic helix-loop-helix leucine zipper (bHLHZip) protein that heterodimerizes with another bHLHZip protein to drive transcription of targets important for proliferation, apoptosis and differentiation. Mice lacking this gene product show marked decrease in T-cell priming during bacterial and viral infections. In humans, this gene was found to be amplified in small-cell lung cancers. Alternate splicing of this gene results in multiple variants. [provided by RefSeq, Dec 2014]

Product images:



Circular map for MR205660