

Product datasheet for MC208898

Mycl (NM_008506) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mycl (NM_008506) Mouse Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>MC208898 representing NM_008506 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTTCGACTCGTATCAGCACTATTTCTACGACTATGACTGCGGAGAGGATTTCTACCGCTCCACGG
 CGCCAGCGAGGACATCTGGAAGAAATTCGAGCTGGTGCCGTCGCCCCCACGTCGCCGCCCTGGGGCTC
 CGGTCCCGGCCCGTGGACCCAGCCTCTGGGATTAATCCCGGGGAGCCGTGGCCTGGAGGGGGTGGCCGG
 GACGAGGCGGAATCTCGGGGCCATTGAAAGCCTGGGGCAGGAATTATGCTTCCATCATTCGCCGTGACT
 GCATGTGGAGCGCTTCTCCGCCGAGAACGGCTGGAGAGAGTGGTGAGCGACAGGCTGGCCCCAGGCGC
 GCCCGGGGGAACCCGCCAAAGCGCCGCTACCCGGACGGCACTCCTAGTCTGGAAGCCAGTAACCCG
 GCGCCCGCCACCAATGTCACTGGGCGAGCCCAAGACTCAGGCCTGCTCCGGGTCCGAGAGCCCAAGCG
 ATTCTGAAGGTGAAGAGATTGACGTGGTGACCGTGGAGAAGAGGCGATCTCTGGACATCCGAAAGCCAGT
 CACCATCACGGTGCAGCAGACCCCTGGACCCCTGCATGAAGCACTTCCATATCTATCCACCAACAG
 CAGCATAACTATGCTGCCCGTTTTCTCCAGAAAGTTGCTCTCAAGAGGGGGATCCTGAGCCAGGTCCCC
 AGGAAGAGGCTCCGGAGATAGAAGCTCCAAGGAGAAAGAGGAGGAGGAAGAGGAAGAGGAGGAAGAAGA
 GATTGTGAGCCCCCACCTGTGGAAGTGAGGCTCCCCAGTCTGCCACCCCAACCTGTCAGTTCTGAC
 ACTGAGGACGTGACCAAGAGGAAGAACCATAACTTCTTGAACGAAAAAGGAGGAATGACCTCCGCTCCC
 GGTTCTTAGCCCTGCGGGACAGGTTCCACCCCTGGCCAGCTGCTCTAAGGCCCCCAAGTCGTGATCCT
 CAGCAAGGCGTTAGAATACTTGACGGCTTTGGTGGGGGCTGAAAAAGAAATGGCTACAGAGAAAAGGCAG
 CTCGGGTGTCGGCAACAGCAACTGCAAAAGAGAATCGCGTACCTCAGTGGCTACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2024_b06.zip



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Restriction Sites:	Sgfl-MluI
ACCN:	NM_008506
Insert Size:	1107 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC053059 , AAH53059
RefSeq Size:	3518 bp
RefSeq ORF:	1107 bp
Locus ID:	16918
UniProt ID:	P10166
Cytogenetics:	4 57.36 cM

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the shorter isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.