

## Product datasheet for **RG220833**

### I-Myc (MYCL) (NM\_001033081) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	I-Myc (MYCL) (NM_001033081) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MYCL
Synonyms:	bHLHe38; L-Myc; LMYC; MYCL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220833 representing NM_001033081 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTACGACTCGTACCAGCACTATTTCTACGACTATGACTGCGGGGAGGATTTCTACCGCTCCACGG  
CGCCAGCGAGGACATCTGGAAGAAATTCGAGCTGGTGCCATCGCCCCACGTCGCCGCCCTGGGGCTT  
GGGTCCCGGCGCAGGGGACCCGGCCCCGGGATTGGTCCCCGGAGCCGTGGCCCGAGGGTGCACCGGA  
GACGAAGCGGAATCCCGGGCCACTCGAAAGGCTGGGGCAGGAACACGCCTCCATCATAAGCCGTGACT  
GCATGTGGAGCGCTTCTCGGCCGGGAACGGCTGGAGAGAGCTGTGAGCGACCGCTCGCTCCTGGCGC  
GCCCGGGGGAACCCGCCAAGGCGTCCGCCGCCCGGACTGCACTCCCAGCCTCGAAGCCGGCAACCCG  
GCGCCCGCCGCCCTGTCCGCTGGGCGAACCCAGACCCAGGCCTGCTCCGGGTCCGAGAGCCCAAGCG  
ACTCGGAGAATGAAGAAATTTGATGTTGTGACAGTAGAGAAGAGGCACTCTCTGGGTATTCGGAAGCCGGT  
CACCATCACGGTGCAGCAGACCCCTGGATCCCTGCATGAAGCATTTCCACATCTCCATCCATCAGCAA  
CAGCAACTATGCTGCCGTTTTCTCCAGAAAGCTGCTCCCAAGAAGAGGCTTCAGAGAGGGTCCCC  
AAGAAGAGTTCTGGAGAGAGATGCTGCAGGGGAAAAGGAAGTAGAGGAGGATGAAGAGATTGTGAGTCC  
CCCACCTGTAGAAAGTGAAGCTGCCAGTCTGCCACCCCAACCTGTGAGTCTGATAGTACTGAGGATGTG  
ACCAAGAGGAAGAAATCACAACCTTCTGGAGCGCAAGAGGCGGAATGACCTGCGTTTCGCGATTCTTGGCCG  
TGAGGGACAGGTGCCACCCTGGCCAGCTGCTCCAAGGCCCCAAAGTAGTGATCCTAAGCAAGGCCTT  
GGAATACTTGCAAGCCCTGGTGGGGCTGAGAAGAGGATGGCTACAGAGAAAAGACAGCTCCGATGCCGG  
CAGCAGCAGTTGCAGAAAAGAAATGCATACCTCACTGGCTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220833 representing NM\_001033081  
 Red=Cloning site Green=Tags(s)

MDYDSYQHYFYDYDCGEDFYRSTAPSEDIWKKFELVPSPTSPPWGLGPGAGDPAPGIGPPEPWGGCTG  
 DEAESRGHSGKGRNYASIIIRDCMWSGFSARERLERAVSDRLAPGAPRGNPPKASAAPDCTPSLEAGNP  
 APAAPCPLGEPKTQACSGSESPDSENEEIDVVTVEKRQSLGIRKPVITIVRADPLDPCMKEFHISIHQQ  
 QHNYAARFPPESCSQEEASERGPQEEVLERDAAGEKEDEEIEIVSPPPVESEAAQSCHPKPVSSDTEDEV  
 TKRKNHNFLERKRRNDRSRFLALRDQVPTLASCCKAPKVIVILSKALEYLQALVGAEKRMATEKRLRCR  
 QQQLQKRIAYLTGY

TRTRPLE - GFP Tag - V

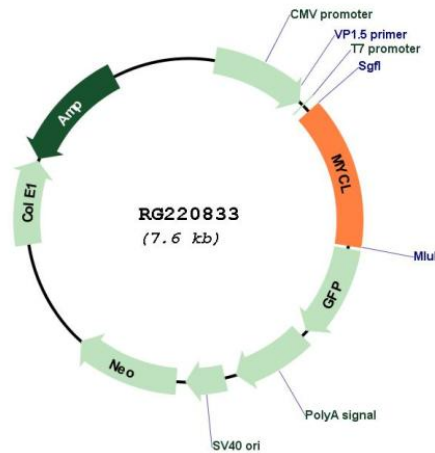
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_001033081

<b>ORF Size:</b>	1092 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001033081.3</a>
<b>RefSeq Size:</b>	3624 bp
<b>RefSeq ORF:</b>	1095 bp
<b>Locus ID:</b>	4610
<b>UniProt ID:</b>	<a href="#">P12524</a>
<b>Cytogenetics:</b>	1p34.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors