

Product datasheet for **MG221106**

Mycs (NM_010850) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mycs (NM_010850) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mycs
Synonyms:	MGC151451
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221106 representing NM_010850 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTCAGCTGCACTACATCCACCATGCCCGAATGATCTGCAAGAACTCAGACCTGGAGTTTGACTTGC
TGAAACCCTGCTTCTACCCGGAAGAAGATGACATCTACTTTGGTGGTCACAACCTCGACGCTCCAGGGGA
GGACATCTGGAAGAAGTTTGAAGTGTGGCCACCCCGCGATTGTACCTGACAGTGCCTTGGCAGAGCAC
AGCCTGGAGCCGGTGAAGTGGCCACGGAGATGCTGCTGCCTGAGGCCGACCTATGGAGTAACCCGGGCG
AGGAGGAGGTTTTCGGCCAGGGAGGACTCCGCGCTGCACCAGCAACCCGATCATCCTTCAGGACTGCAT
GTGGAGCGGCTTCTCAAACCCGGGGAAGCCAGAAAGTGTGGTGAGCGAGAAGCTGCCAGGGGGCTACCGG
TCCTCGCCGTCGGCGCAGGCACCTTGGCCCCGGAGCGCGAGCTGCCGCGAGCTCTGCTGGCCATGAGC
GCAGTGGGACAGCAGGTGTGGGGCGTGGGAAAGCAGCCTGGCTCACGGAGCTCTCCACCTGGACTTGGA
GTGTGTGGACCTGCTGTGGTCTTCTCCAGCGAATAAGCGCGAGCCTATGCCTGTACCCACCATCCCC
ACCAGCACCGCTCAGCGATAAGCCTTGGTGACCACAGGGGCTCAGCAGTTCCTTAGAGGACTTCCTAA
GCAACTCAGGTTCTGTAGAGGAAGGCGGAGAGGAAATCTATGTGGTCATGCTGGAGGAGACAGTTCTC
CAAGACTGTCTCAGGCTCCCCACCGCGCGCATCAGGAGAACGACGCGTGAGTCCCGGTGCGCGCAG
TCCAGCGAGCTGATCCTTAAGCGCTACGACCTCATTACAGGAGCAACAACTATGCCGCGCCACCGTTGC
CCTACGTGGACAGGGAGGACGACGCGCCTCAGAAGAAGCCAGGAGCCACACTTCGCTAGCCCTCAAATG
CGTCTTCCGGCCAAAGGCTCCGAGGTTGGGATCCCGGAACAACTCAGACTGGGAGAACATCGAGCGTCGC
CGCAACCACAACAGGATGGAGCGCAACGCCGTGACATTATGCGCTCCAGTTTCTGAACCTCAGGGATC
TTGTGCTGAGCTGGTGACAATGAGAAGGCCGCTAAGGTGGTCATCCTGAAAAAGCCACTGAGTACAT
CCACACTCTGCAGGCTGATGAGTCCAAGCTCCTGGTGAAAGGAAGAACTGTATGAAAGACAACAGCAG
TTGCTACAGAAATCAAACAATATGCTCTGTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221106 representing NM_010850
 Red=Cloning site Green=Tags(s)

MLSCCTTSTMPGMICKNSDLEFDLLKPCFYPEEDDIYFGGHNSTPPGEDIWKKFELLPTPRLSPDSALAEH
 SLEPVNWATEMLLPEADLWSNPGEVEVFGQGLRGCTSNPIILQDCMWSGFSNPGKPESVSEKLPGGYR
 SLAVGAGTLAPGAAAAASSAGHERSGTAGVGRGKAOWL TELSHLDLECVDPAVVFFPANKREMPVPTIP
 TSTGSAISLGDHQLSSSLEDFLSNSGSVEEGGEEIYVVMLEETQFSKTVSRLPTAAHQENAAALSPGCAQ
 SSELILKRYDLIQEQHNYAAPLPYVDREDARPQKKPRSHSLALKCVFRPKAPRLGSRNNSDWENIERR
 RNHNRMERQRRDIMRSSFLNLRDLVPELVHNEKAAKVILKKATEYIHTLQADESKLLVERKKLYERQQQ
 LLQKIKQYALC

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_010850

ORF Size: 1293 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_010850.2](#), [NP_034980.2](#)

RefSeq Size: 2362 bp

RefSeq ORF: 1296 bp

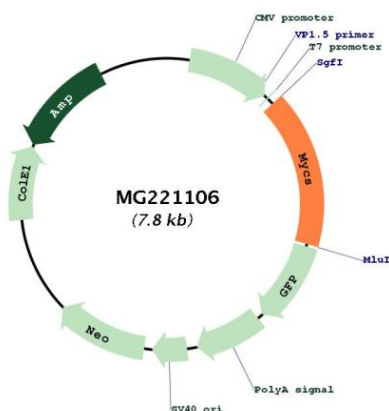
Locus ID: 17870

UniProt ID: [Q9Z304](#)

Cytogenetics: X 2.4 cM

Gene Summary: Has apoptosis-inducing activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221106