

Product datasheet for **MG207382**

Mycn (NM_008709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mycn (NM_008709) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mycn
Synonyms:	bHLHe37; c-myc; N-myc; Nmyc; Nmyc-1; Nmyc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207382 representing NM_008709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGCTGCACCGCTCCACCATGCCGGGATGATCTGCAAGAACCAGACCTCGAGTTTGACTCAC
 TGCAGCCCTGTTCTACCGGACGAAGATGACTTCTACTTCGGCGGTCCGACTCGACCCACCGGGGA
 GGACATCTGGAAGAAGTTTGAGCTGCTGCCACGCCCGGTTGTGCCAGCCGCGCCTCCAGAGCAC
 AGCCCGGAGCCTTCAATTGGGCTACGGAGATGCTGCTGCCGGAGGCCACCTGTGGGGCAACCGGCCG
 AGGAGGATGCGTTCGGTCTCGGGGCTGGGTGGCCTCACTCCTAATCCGGTCATCCTTCAGGACTGCAT
 GTGGAGCGGCTTCTGCCCGCAGAAGCTAGAGCGCGCAGTGAACGAAAACTACAGCACGGCCACGGG
 CCCCCGGCGTCAGCTCAGCCTGCTCGGCTCCCGAGTGGGTGCCAGCAGCCCCGGGGCCGTGCCCTTG
 GTGGTCTGTCGAGTGTAGCCACACCGGGCCACCCTGCCTACCGACCTCTCCACCCGGCTGCCGAATG
 TGTGGACCCCGCGTGGTCTTCCCTTCCCGGTGAACAAGCGAGAGTCGGCGTCGGTGCCGCTGCCCC
 ACTAGCGCCCCGGCGACCAAGCGCTGCGGTCACTAGTGTGTCTGTTCCAGCTACTGCCCGGTGGCTGCTC
 CTGCTCGTGCAGGCGCCGCTCCTGCCAGAGTGGGGAGGCCAAGGCCCTCAGCACCTCCGGAGAGGATAC
 CTTGAGCGACTCAGATGATGAGGATGACGAGGAGGAAGATGAAGAGGAGGAAATCGATGTGGTACCAGTA
 GAGAAGAGACGTTCTCTCTAACAACAAGGCGGTAACCACTTTCACGATCACTGTGCGTCCCAAGACCT
 CCGCTCTGGGCTGGGGCGAGCACAGCCTGGCGAGCTGATCCTCAAGCGCTGTGTTCCATCCATCAGCA
 GCACAACTATGCTGCACCCTCACCTACGTGGAGAGCGAGGACCGCCCCGAGAAAAAGATCAAGAGC
 GAGGCTTCTCCACGCCCTCAAAGTGTGTTCCAGCAAAAGCGAAGAGCCTGAGCCCCGAAACTCAG
 ACTCGGAGGACAGCGAGCGCCCGCAACCACAACATCCTGGAGCGTCAACGCCGGAACGACCTGCGCTC
 CAGCTTCTGACGCTCAGGGACCATGTGCCTGAGCTGGTGAAGAACGAGAAGGCCGCAAGGTGGTCATC
 TTGAAAAAGGCCACCGAGTACGTGCACGCCCTACAGGCCAACGAGCACCAGCTCCTGCTGGAAAAGGAGA
 AACTGCAGGCGAGGACGAGCAGTGTGCTAAAGAAGATCGAACACGCTCGGACTTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207382 representing NM_008709
 Red=Cloning site Green=Tags(s)

MPSCTASTMPGMICKNPDLFDSLQPCFYDDEDFYFGGPDSTPPGEDIWKKFELLPTPPLSPSRAFP
 SPEPSNWATEMLLPEADLWGNPAEEDAFGLGGLGGLTPNPVILQDCMWSGFSAREKLERAVNEKLQHG
 PPGVSSACSAPGVGASSPGGRALGGSSASHTGATLPTDL SHPAAECVDPVAVVFPVVKRESASVPAAP
 TSAPATSAAVTSVSPATAPVAAPARAGGRPASSGEAKALSTSGEDTLDSDDEDEDEEEDVVT
 EKRRSSNNKAVTFTTITVRPKTSALGLGRAQPGELILKRCVPIHQHNYAAPSPYVESEDAPPQKIKS
 EASPRPLKSVVPAKAKSLSPRNSDSESRNRNHNILRQRRNDLRSSFLTLRDHVPPELVKNEKA
 LKATEYVHALQANEHQLLEKEKLQARQQLLKIEHARTC

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_008709

ORF Size: 1386 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.

RefSeq: [NM_008709.3](#), [NP_032735.3](#)

RefSeq Size: 2596 bp

RefSeq ORF: 1389 bp

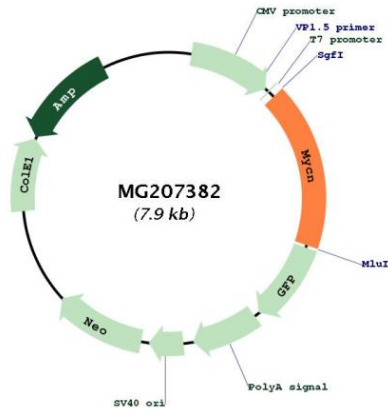
Locus ID: 18109

UniProt ID: [P03966](#)

Cytogenetics: 12 6.14 cM

Gene Summary: Positively regulates the transcription of MYCNOS in neuroblastoma cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207382