

Product datasheet for **MR207382**

Mycn (NM_008709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mycn (NM_008709) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mycn
Synonyms:	bHLHe37; c-myc; N-myc; Nmyc; Nmyc-1; Nmyc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207382 representing NM_008709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGCTGCACCGCTCCACCATGCCGGGATGATCTGCAAGAACCAGACCTCGAGTTTGACTCAC
 TGACGCCCTGTTCTACCGGACGAAGATGACTTCTACTTCGGCGGTCCGACTCGACCCACCGGGGA
 GGACATCTGGAAGAAGTTTGAGCTGCTGCCACGCCCGTTGTGCCAGCCGCGCTTCCAGAGCAC
 AGCCCGGAGCCTTCAATTGGGTACGGAGATGCTGCTGCCGGAGGCCACCTGTGGGGCAACCGGCCG
 AGGAGGATGCGTTCGGTCTCGGGGCTGGGTGGCCTCACTCCTAATCCGGTCATCTTCAGGACTGCAT
 GTGGAGCGGCTTCTGCCCGCAGAAGCTAGAGCGCGCAGTGAACGAAAACTACAGCACGGCCACGGG
 CCCCCGGCGTCAGCTCAGCCTGCTCGGCTCCCGAGTGGGTGCCAGCAGCCCCGGGGCCGTGCCCTT
 GTGGTCTGTCGAGTGTAGCCACACCGGGCCACCTGCCTACCGACCTCTCCACCCGGTCCGAATG
 TGTGGACCCCGCTGGTCTTCCCTTCCCGGTGAACAAGCGAGAGTCGGCGTCGGTCCCGCTGCCCC
 ACTAGCGCCCCGGCGACAGCGCTGCGGTCACTAGTGTGTCTGTTCCAGCTACTGCCCGGTGGCTGCTC
 CTGCTCGTGCAGGCGCCGCTCCTGCCAGCAGTGGGGAGGCCAAGGCCCTCAGCACCTCCGGAGAGGATAC
 CTTGAGCGACTCAGATGATGAGGATGACGAGGAGGAAGATGAAGAGGAGGAAATCGATGTGGTACCAGTA
 GAGAAGAGACGTTCTCTCTAACAACAAGGCGGTAACCACTTTCACGATCACTGTGCGTCCCAAGACCT
 CCGCTCTGGGCTGGGGCGAGCACAGCCTGGCGAGCTGATCCTCAAGCGCTGTGTTCCATCCATCAGCA
 GCACAACTATGCTGCACCCTCACCTACGTGGAGAGCGAGGACCGCCCCGAGAAAAAGATCAAGAGC
 GAGGCTTCTCCACGCCCTCAAAGTGTGTTCCAGCAAAAGCGAAGAGCCTGAGCCCCGAACTCAG
 ACTCGGAGGACAGCGAGCGCCGCAACCACAACATCCTGGAGCGTCAACGCCGAACGACCTGCGCTC
 CAGCTTCTGACGCTCAGGGACCATGTGCTGAGCTGGTGAAGAACGAGAAGGCCCAAGGTGGTCATC
 TTGAAAAAGGCCACCGAGTACGTGCACGCCCTACAGGCCAACGAGCACCAGCTCTGCTGAAAAAGGAGA
 AACTGCAGGCGAGGACGAGCAGTGTGCTAAAGAAGATCGAACACGCTCGGACTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207382 representing NM_008709
 Red=Cloning site Green=Tags(s)

MPSCTASTMPGMICKNPDLEFDSLQPCFYDEDDFYFGGPDSTPPGEDIWKKFELLPTPPLSPSRAFFE
 SPEPSNWATEMLLPEADLWGNPAEEDAFGLGGLTPNPVILQDCMWSGFSAREKLERAVNEKLQHG
 PPGVSSACSAPGVGASSPGGRALGGSSASHTGATLPTDLSHPAAECVDPVAVFPVFNKRESASVPAAP
 TSAPATSAVTSVSPATAPVAAPARAGGRPASSGEAKALSTSGEDTLDSDDEDEDEEEDVVT
 EKRRSSNNKAVTFTITVRPKTSALGLGRAQPGELILKRCVPIHQHNYAAPSYPVESEDAPPQKIKS
 EASPRPLKSVVPAKAKSLSPRNSDSEDSERRRNHNILRQRNDRSSFLTLRDHVPKNEKA
 LKATEYVHALQANEHQLLLEKEKLQARQQLLKIEHARTC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9032_b11.zip

Restriction Sites:

Sgfl-Mlul

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

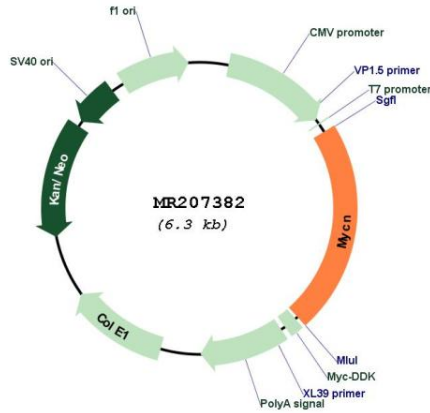
UniProt ID: [P03966](#)

Cytogenetics: 12 6.14 cM

MW: 50 kDa

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

Product images:



Circular map for MR207382