

## Product datasheet for **MC205645**

### **Mycn (NM\_008709) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mycn (NM_008709) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mycn
Synonyms:	bHLHe37; c-myc; N-myc; Nmyc; Nmyc-1; Nmyc1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC005453  
 CCGACGCGTGGGCGCCGCGCTCCCTCAGCCCACCCGGAGACCCAGCCCGAGTCGCCTCCGGATCCCC  
 GGCAGTCTGCGGGAGAGTTGGAGTTGGCGGACTCTGCTGCTCTCCACGGGAAGGAAGCACTCCCCAT  
 ATTAAGAGAGCGGAGATATTAAGAGAGGGCAACCCATGCCAGCTGCACCGCTCCACCATGCCGGG  
 GATGATCTGCAAGAACCCAGACCTCGAGTTTACTCGTGCAGCCCTGCTTACCCGGACGAAGATGAC  
 TTCTACTTCGGCGGTCCCGACTCGACCCACCCGGGGAGGACATCTGGAAGAAGTTTGGCTACGGAGAT  
 CGCCCCGTTGTGCGCCAGCCGCGCCTTCCAGAGCACAGCCCGGAGCCCTCGAATTGGGCTACGGAGAT  
 GCTGCTGCCGGAGGCCGACCTGTGGGGCAACCCGGCCGAGGAGGATGCGTTCGGTCTGGGGGCTGGGT  
 GGCTCACTCCTAATCCGGTCATCTTCAAGACTGCATGTGGAGCGGCTTCTCTGCCCGGAGAAGCTAG  
 AGCGCGCAGTGAACGAAAACTACAGCACGGCCACGGGCCCGGGCGTCAGCTCAGCTGCTCGCTCC  
 CGGAGTGGGTGCCAGCAGCCCGGGGGCGTGCCTTGGTGGGTCGTGAGTGCTAGCCACCCGGGGCC  
 ACCCTGCCTACCGACCTCTCCACCCGGCTGCCGAATGTGTGGACCCCGCGTGGTCTTCCCTTCCCGG  
 TGAACAAGCGAGAGACGGCGTCGGTGCCCGCTGCCCCACTAGCGCCCGGCGACCAGCGCTGCGGTAC  
 TAGTGTGTCTGTTCCAGTACTGCCCGGTGGTGTCTCTGCTGTCAGGCGGCCGCTCCTGCCAGCAGT  
 GGGGAGGCCAAGCCCTCAGCACCTCCGGAGAGGATACCTTGAGCGACTCAGATGATGAGGATGACGAGG  
 AGGAAGATGAAGAGGAGGAAATCGATGTGGTACCGTAGAGAAGAGACGTTCTCTCTAACAACAAGGC  
 GGTAACCACTTTCAGATCACTGTGCGTCCCAAGACGTCCGCTCTGGGCCTGGGGCGAGCACAGCCTGGC  
 GAGCTGATCCTCAAGCGCTGTGTTCCATCCATCAGCAGCACAATATGCTGCACCTCACCTACGTGG  
 AGAGCGAGGACGCGCCCCGAGAAAAAGATCAAGAGCGAGGCTTCTCCACGCCCTCAAAAGTGTGT  
 TCCAGCAAAAGCGAAGAGCCTGAGCCCCGAAACTCAGACTCGGAGGACAGCGAGCGCCCGCAACCCAC  
 AACATCCTGGAGCGTCAGCGCCGAAACGACCTGCGCTCCAGCTTCTGACGCTCAGGACCATGTGCCTG  
 AGCTGGTGAAGAACGAGAAGGCCGCAAGGTGGTATCTTGAAGAAAGCCACCGAGTACGTGCACGCCCT  
 ACAGGCCAACGAGCACCAGCTCCTGCTGGAAGGAGAAACTGCAGGCGAGGCAGCAGTGTGCTAAAG  
 AAGATCGAACACGCTCGACTTGCTAAACGTTTTCCACACGAGCAGTCACTGCCACTTTCACATTTTGA  
 TTTTTTTTTTTAAACAAACATTGTGTTGACATTAAGAATGTTGGTTTACTTTCAAATTGGTCCCTGT  
 CGAGTCTGGATCTGGGTAGGGGGCAGGACACGGGGTTCTGCCATGACCTTGGAAAAAACTGACTTATG  
 GGATGCTGGTGGCTTGTTCCTCCTCCATATCACCTGGTGACAGCCGTGGAAGTTCGGGACACTAAGG  
 AGCTTCAGGAGGCTGTGAAGTACCTTGTTCAGATTCCAAACAGAGTCATTCTTTTACAATGG  
 TGCTTAAGTTCAGCAAATGCCACAGAAGGGGGGGGGTGGCATTGATGCCCTGGGAACACTTGTGT  
 AAATACCATTGATACCCCGCTTTTGTATACGTCCTGGGTAATGAGAGGTGGCTCTTGGCGCCAGTATT  
 AGACTGGAAGTTCACACCTAAGTACTGTAAGAATACCTCAATGTTTGGAGGGCATGTTTTGTATACAAAT  
 ATATTGTTAATCTGTTATGTACTGTACTAATTCCTACACGCCTGTATACTTTAGTATGACGCTGATACA  
 TAACTAAATTTGATACTTATATTTTCGTATGAAAATGAGTTGTGGAAGTTTTGAGTAGATATTACTTTAT  
 CACTTTTTGAACTAAGAACTTTTGTAAAGAAATTTACTATATATATATATTTCTTTTTTCTAGCCT  
 GTTTCTTCTTGTACTGTATTTGTTTCATGTTTGGTGCATAGAAGTGGGTAAAAAGGCAAAAGTTCTGTG  
 TTTAATTTCTTCAAATGTATATATTTAGTGTGCACCTTAGAGCACTTTGAAATACCTCATGTTTATGA  
 AAATAAATAGCAATTAATGATGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_008709  
**Insert Size:** 1389 bp

**OTI Disclaimer:** 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC005453](#), [AAH05453](#)

**RefSeq Size:** 2500 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]