

## Product datasheet for **RR206566**

### **Mycn (NM\_001013096) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mycn (NM_001013096) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mycn
Synonyms:	N-myc; Nmuc1; Nmyc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR206566 representing NM\_001013096  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAGCTGCACCGCTCCACCATGCCGGGATGATCTGCAAGAACCAGACCTCGAGTTTGACTCCC  
 TGACGCCCTGCTTCTACCGGACGAAGATGACTTCTACTTCGGCGGTCCGACTCGACCCACCAGGGGA  
 GGACATCTGGAAGAAGTTTGAGCTGCTGCCACGCCCCCGTTGTGCCAGCCGCGCCTTCCAGAGCAC  
 AGCCCGGAGCCCTCAAATTGGGCCACGGAGATGCTGCTGCCGGAGGCCGACCTGTGGGGCAACCCGGCCG  
 AGGAGGATGCGTTTGGTCTGGGGGACTGGGTGGCCTCACTCCTAATCCGGTCATCCTTCAGGACTGCAT  
 GTGGAGCGGCTTCTGCCCGGAGAAGCTGGAGCGCGCAGTGAACGAGAAGCTGCAGCACGGCCACGGG  
 CCCCCGGAGCCAGCTCATCCTGTCCGGCTCCGGGAGTGGGTGCCAGTAGCTCCGGGGCCGTGCCCTTG  
 GTGGTCCGGCAGTGTGGTCCGACCGGGGCCACCTGCCTACCGACCTTCCACCCGGCTGCGGAGTG  
 TGTGGATCCCGCGTGGTCTTCCCTTCCCGGTGAACAAGCGAGAGTCGGCTTCGGTCCCGCTGCCCGG  
 ACCAGTGCCCCGGCGACCAAGCGCTGTGGTCACTAGTGTGTCTGTCCCGGTGTAGCCCCGGTGGCTGCTC  
 CTGCTCGTGGCAGCGGTGCTCCTGCCAACAGTGGCGAGCACAAGCCCTCAGCACCTCTGGAGAGGATAC  
 CTTGAGCGACTCAGATGATGAAGACGATGAGGAGGAAGATGAAGAGGAGGAGATCGATGTGGTACGGTA  
 GAGAAGAGACGCTCCTCCTTAACAACAAGGCAGTCACCACTTTCACCATCACTGTACGCCCAAGACCT  
 CGGCTCTGGGCTGGGGCGAGCACAACCTGGCGAGCTGATCCTCAAGCGCTGTGTCCCATCCATCAGCA  
 ACACAATATGCCGCACCCTCACCTATGTGGAGAGCGAGGATGCGCCACCACAGAAGAAGATCAAGAGC  
 GAGGCTTCTCCACGCCCCCTCAAAGTGTGTTCCACCAAGGCTAAGAGCTTGAGCCCCGAAACTCAG  
 ACTCGGAGGACAGCGAGCGCCCGAAACCACAACATCCTGGAGCGCCAGCGCCGCAACGACCTGCGCTC  
 CAGCTTCTGACGCTCAGGGACCATGTGCCCGAGCTGGTGAAGAACGAGAAGGCCCAAGGTGGTCATC  
 TTAATAAAGGCCACCGAGTACGTCCACGCCCTACAGGCCAACGAGCACCGCTCCTGCTGAAAAAGGAGA  
 AACTGCAGGCGAGGCAGCAGCAGTTGCTAAGAAGATCGAACACGCTCGGACTTGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206566 representing NM\_001013096  
 Red=Cloning site Green=Tags(s)

MPSCTASTMPGMICKNPDLEFDSLQPCFYDDEDFYFGGPDSTPPGEDIWKKFELLPTPPLSPSRAFP  
 SPEPSNWATEMLLPEADLWGNPAEEDAFGLGGLGGLTPNPVILQDCMWSGFSAKLERAVNEKLQHG  
 PPGASSSCPAPGVGASSSGRALGGSASAGRTGATLPTDL SHPAAECVDPVAVVFPVKNRESASVPAAP  
 TSAPATSAVVTSVSPAVAPVAAPARGSGRPANSGEHKALSTSGEDTLDSDDEDEDEEEDDEEEDV  
 EKRSSSNKAVTFTTITVRPKTSALGLGRAQPGEILKRCVPIHQHNYAAPSYPVESEDAPPQKKIKS  
 EASPRPLKSVVPPKAKSLSPRNSDSESRERRRNHILERQRRNDLRSSFLTLRDHVPPELVKNEKAAK  
 VVILKKATEYVHALQANEHQLLLLEKEKLQARQQQLLKKIEHARTC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

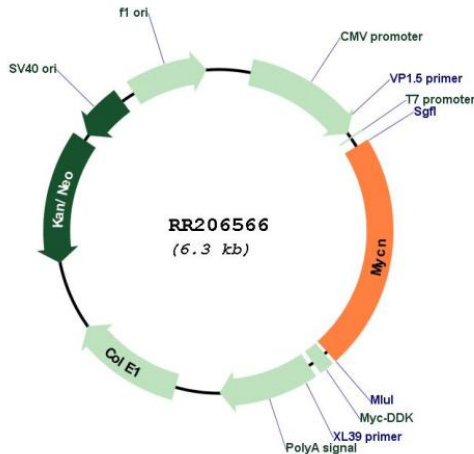
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001013096

**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\\_001013096.1](#), [NP\\_001013114.1](#)

**RefSeq Size:** 2604 bp

**RefSeq ORF:** 1389 bp

**Locus ID:** 298894

**UniProt ID:** [Q63379](#)

**Cytogenetics:** 6q15

**MW:** 49.7 kDa

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