

Product datasheet for **RC235689**

n-Myc (MYCN) (NM_001293233) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	n-Myc (MYCN) (NM_001293233) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	n-Myc
Synonyms:	bHLHe37; MODED; N-myc; NMYC; ODED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235689 representing NM_001293233 Red=Cloning site Blue=ORF Green=Tags(s) TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC ATGCGGGGGCTCCTGGGAAGTGTGTTGGAGCCGAGCAAGCGCTAGCCAGGCGCAAGCGCGCACAGACTGTAGCCATCCGAGGACACCCCGCCCCCGGCCACCCGAGACACCCGCGCAGAATCGCTCCGGATCCCTGCAGTCGGCGGGAGTGTGGAGGTCGGCGCCGGCCCCCGCTTCGCGCCCCCACGGAAGGAAGCACCCCGGTATTAACGAACGGGGCGGAAAGAAGCCCTCAGTCGCGCGCGGGAGGCGAGCCGATGCCGAGCTGCTCCACGTCCACCATGCCGGGCATGATCTGCAAGAACCAGACCTCGAGTT ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC235689 representing NM_001293233 Red=Cloning site Green=Tags(s) MRGAPGNCVGAEQALARRKRAQTVAIRGHPRP GPPGDTRAESPDP LQSAGVLEV GAGPRLPRPPREGS TPGIKTNGAERS PQSPAGRRADAELLVHHAGHDLQEPRPRV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI



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Cloning Scheme:



ACCN: NM_001293233

ORF Size: 336 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.

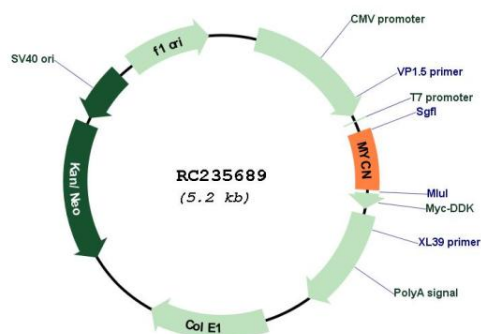
RefSeq: [NM_001293233.2](#)

RefSeq Size: 2736 bp

RefSeq ORF: 339 bp
 Locus ID: 4613
 UniProt ID: [P04198](#)
 Cytogenetics: 2p24.3
 Protein Families: Druggable Genome, Transcription Factors
 MW: 12.2 kDa

Gene Summary: This gene is a member of the MYC family and encodes a protein with a basic helix-loop-helix (bHLH) domain. This protein is located in the nucleus and must dimerize with another bHLH protein in order to bind DNA. Amplification of this gene is associated with a variety of tumors, most notably neuroblastomas. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]

Product images:



Circular map for RC235689