

Product datasheet for **SC336279**

n-Myc (MYCN) (NM_001293228) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: n-Myc (MYCN) (NM_001293228) Human Untagged Clone
Tag: Tag Free
Symbol: n-Myc
Synonyms: bHLHe37; MODED; N-myc; NMYC; ODED
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC336279 representing NM_001293228.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGAGCTGCTCCACGTCCACCATGCCGGGCATGATCTGCAAGAACCAGACCTCGAGTTTGACTCG
CTACAGCCCTGCTTCTACCCGGACGAAGATGACTTCTACTTCGGCGGCCCGACTCGACCCCCCGGGG
GAGGACATCTGGAAGAAGTTTGAGCTGCTGCCACGCCCCGCTGTCGCCAGCCGTGGCTTCGCGGAG
CACAGCTCCGAGCCCCGAGCTGGGTACGGAGATGCTGCTTGAGAACGAGCTGTGGGCGAGCCCCGCC
GAGGAGGACGCGTTCGGCTGGGGGACTGGGTGGCTCACCCCCAACCCGGTTCATCTCCAGGACTGC
ATGTGGAGCGGCTTCTCCGCCCGGAGAAGCTGGAGCGCGCCGTGAGCGAGAAGTGCAGCACGGCCGC
GGCCGCCAACCCCGGTTCCACCGCCAGTCCC CGGGAGCCGGCGCCGAGCCCTGCGGGTTCGCGGG
CACGGCGGGGCTGCGGGAGCCGGCCGCGCCGGGGCCGCCCTGCCCGCCGAGCTCGCCACCCGGCCGCC
GAGTGCCTGGATCCC CGCGTGGTCTTCCCTTTCCCGTGAACAAGCGCGAGCCAGCGCCCGTGCSCGCA
GCCCCGGCCAGTCCCCGGCGGGCGGCCCTGCGGTTCGCTCGGGGGCGGGTATTGCCGCCAGCCGGG
GCCCCGGGGTTCGCCCTCCGCGCCAGGCGGCCAGACCAGCGGGCGGCGACCACAAGCCCTCAGT
ACCTCCGAGAGGACACCCTGAGCGATTCAGATGATGAAGATGATGAAGAGGAAGATGAAGAGGAAGAA
ATCGACGTGGTCACTGTGAGAAGCGGCTTCTCCTCCAACACCAAGGCTGTACCACATTCACCATC
ACTGTGCGTCCCAAGAAGCAGCCCTGGGTCCCGGGAGGGTCACTCCAGCGAGCTGATCCTCAAACGA
TGCTTCCCATCCACCAGCAGCAACTATGCCGCCCTCTCCCTACGTGGAGAGTGAGGATGCACCC
CCACAGAAGAAGATAAAGAGCGAGGCGTCCCCACGTCCGCTCAAGAGTGTATCCCCCAAAGGCTAAG
AGCTTGAGCCCCGAACTCTGACTCGGAGGACAGTGAAGCGTGCAGAAACCACAACATCTGGAGCGC
CAGCGCCGCAACGACCTTCGGTCCAGCTTCTCACGCTCAGGGACCAGTCCCGGAGTTGGTAAAGAAT
GAGAAGGCCGCAAGGTGGTCAATTTGAAAAGGCCACTGAGTATGTCCACTCCCTCCAGGCCGAGGAG
CACCAGCTTTGCTGAAAAGGAAAAATTGCAGGCAAGACAGCAGCAGTGTCTAAAGAAAATTGAACAC
GCTCGGACTTGC TAG
  
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Restriction Sites: SgfI-RsrII
ACCN: NM_001293228
Insert Size: 1395 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_001293228.1
RefSeq Size:	3046 bp
RefSeq ORF:	1395 bp
Locus ID:	4613
UniProt ID:	P04198
Cytogenetics:	2p24.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	49.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the full-length transcript. Its exon 1 includes segments 1a and 1b (also known as exon 1a and exon 1b, PMID: 20017904). This variant encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>