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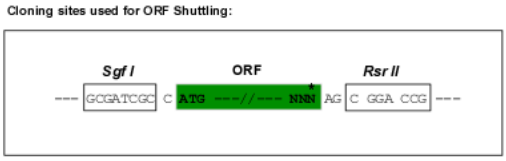
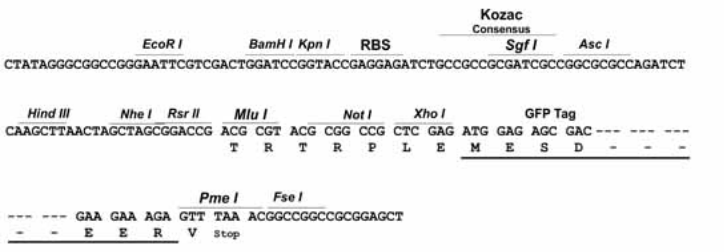
Product datasheet for RG238385

n-Myc (MYCN) (NM_001293228) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	n-Myc (MYCN) (NM_001293228) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	n-Myc
Synonyms:	bHLHe37; MODED; N-myc; NMYC; ODED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	SgfI-RsrII
Cloning Scheme:	





ACCN:	NM_001293228
ORF Size:	1392 bp

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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 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
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).
RefSeq:	NM_001293228.2
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:	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]

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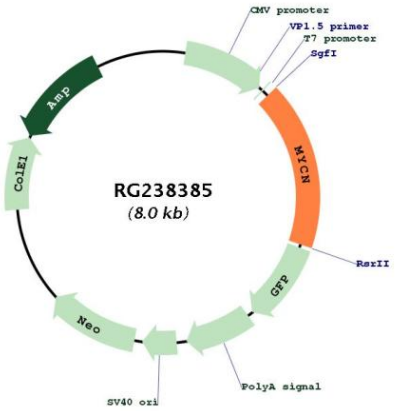
Product images:



Circular map for RG238385

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