

Product datasheet for **RG235689**

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: 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)
ORF Nucleotide Sequence: >RG235689 representing NM_001293233.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGGGGGCTCCTGGAACTGTGTTGGAGCCGAGCAAGCGCTAGCCAGGCGCAAGCGCGCACAGACT
GTAGCCATCCGAGGACACCCCGCCCCCGGCCACCCGGAGACACCCGCGCAGAATCGCTCCGGAT
CCCCTGCAGTCGGCGGGAGTGTGGAGGTCGGCGCCGGCCCCCGCCTCCGCGCCCCCACGGAAGGA
AGCACCCCGGTATTAACGAACGGGGCGAAAGAAGCCCTCAGTCGCCGGCCGGGAGGCGAGCCGAT
GCCGAGCTGCTCCACGTCCACCATGCCGGCATGATCTGCAAGAACCAGACCTCGAGTT
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235689
Blue=ORF Red=Cloning site Green=Tag(s)

```
MRGAPGNCVGAEQALARRKRAQTVAIRGHPRPPGPPGDTRAESPDPDLSAGVLEVGAGPRLPRPPREG
STPGIKTNGAERSPQSPAGRRADAELLHVHHAGHDLQEPRPV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:

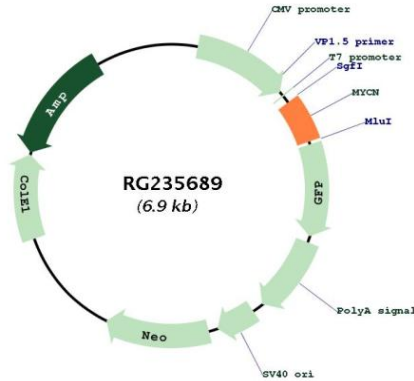


ACCN:	NM_001293233
ORF Size:	336 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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).
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 RG235689