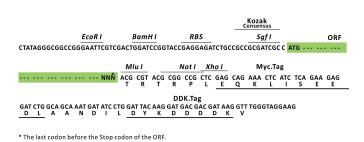


Product datasheet for RC201611L3

c-Myc (MYC) (NM_002467) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	c-Myc (MYC) (NM_002467) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	с-Мус
Synonyms:	bHLHe39; c-Myc; MRTL; MYCC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201611).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1 ORF Mlu I GCG ATC GC ATG// NNN ACG CGT



ACCN: ORF Size:

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NM_002467

1362 bp

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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 infoOTI 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 alcubate 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 002467.3RefSeq ORF:1365 bpLocus ID:4609UniProt ID:P01106Cytogenetics:8q24.21Domains:HLH, Myc_N_term, Myc-LZProtein Families:Druggable Genome, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency, Stem cell relevant signaling pathway, Stem cell relevant signaling pathway, Badveys in cancer, Croll cycle, Chronic myeloid leukemia, Colorectal cancer, Fndometrial ca	C-Myc (MYC) (NM_002467) Human Tagged Lenti ORF Clone – RC201611L3	
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Protein Families:Druggable Genome, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Stem cell relevant signaling - TGFb/BMP signaling pathway, Stem cell relevant signaling - Wnt Signaling pathway, Transcription FactorsProtein Pathways:Acute myeloid leukemia, Bladder cancer, Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Jak-STAT signaling pathway, MAPK signaling pathway, Pathways in cancer, Small cell lung cancer, TGF-beta signaling pathway, Thyroid cancer, Wnt signaling pathway	Cytogenetics:	8q24.21
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MW: 50.5 kDa	Protein Pathways:	cancer, Endometrial cancer, ErbB signaling pathway, Jak-STAT signaling pathway, MAPK signaling pathway, Pathways in cancer, Small cell lung cancer, TGF-beta signaling pathway,
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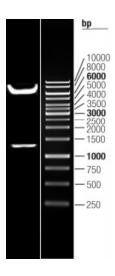
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CRIGENE c-Myc (MYC) (NM_002467) Human Tagged Lenti ORF Clone – RC201611L3

Gene Summary:

This gene is a proto-oncogene and encodes a nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. The encoded protein forms a heterodimer with the related transcription factor MAX. This complex binds to the E box DNA consensus sequence and regulates the transcription of specific target genes. Amplification of this gene is frequently observed in numerous human cancers. Translocations involving this gene are associated with Burkitt lymphoma and multiple myeloma in human patients. There is evidence to show that translation initiates both from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site, resulting in the production of two isoforms with distinct N-termini. [provided by RefSeq, Aug 2017]

Product images:



Double digestion of RC201611L3 using Sgfl and Mlul

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