

## Product datasheet for **RR207206L3V**

### Myc (NM\_012603) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Myc (NM_012603) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Myc
Synonyms:	c-myc; mMyc; RNCMYC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_012603
ORF Size:	1359 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR207206).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_012603.2</a> , <a href="#">NP_036735.2</a>
RefSeq Size:	2355 bp
RefSeq ORF:	1362 bp
Locus ID:	24577
UniProt ID:	<a href="#">P09416</a>
Cytogenetics:	7q33


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**Gene Summary:**

The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma, in human. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini, in human and mouse. Rat mRNA also has a similarly placed CUG upstream of the AUG start site, suggesting that it may also produce two Myc proteins. [provided by RefSeq, Jul 2008]