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Product datasheet for MR227361L4V

Myc (NM_001177354) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Myc (NM_001177354) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Myc
Synonyms:	AU016757; bHLHe3; bHLHe39; Myc2; N; Niard; Nird
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001177354
ORF Size:	1317 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227361).
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.
RefSeq:	NM_001177354.1, NP_001170825.1
RefSeq Size:	2396 bp
RefSeq ORF:	1320 bp
Locus ID:	17869
UniProt ID:	P01108
Cytogenetics:	15 26.19 cM

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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. Under conditions of stress, such as high cell densities and methionine deprivation, there is a specific and dramatic increase in the synthesis of the non-AUG initiated protein, suggesting its importance in times of adversity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2010]