

Product datasheet for **KN201611RB**

c-Myc (MYC) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	c-Myc
Locus ID:	4609
Components:	<p>KN201611G1, c-Myc gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN201611G2, c-Myc gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN201611RBD, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_002467 , NM_001354870
UniProt ID:	P01106
Synonyms:	bHLHe39; c-Myc; MRTL; MYCC
Summary:	<p>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]</p>



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Product images:

