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Product datasheet for KN200191LP

SIRT2 Human Gene Knockout Kit (CRISPR)

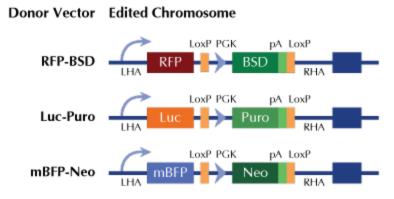
Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	SIRT2
Locus ID:	22933
Components:	 KN200191G1, SIRT2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN200191G2, SIRT2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN200191LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003, scramble sequence in pCas-Guide vector
RefSeq:	<u>NM 001193286, NM 012237, NM 030593, NR 034146</u>
UniProt ID:	<u>Q8IXJ6</u>
Synonyms:	SIR2; SIR2L; SIR2L2
Summary:	This gene encodes a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein. Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class I of the sirtuin family. Several transcript variants are resulted from alternative splicing of this gene. [provided by RefSeq, Jul 2010]



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Product images:



RFP, Luc, and mBFP will be under native gene promoter

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