

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:	<p>KN200191G1, SIRT2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200191G2, SIRT2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN200191LPD, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_001193286 , NM_012237 , NM_030593 , NR_034146
UniProt ID:	Q8IXJ6
Synonyms:	SIR2; SIR2L; SIR2L2
Summary:	<p>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]</p>



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Product images:

