

## Product datasheet for **KN202833BN**

### SIRT6 Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	SIRT6
Locus ID:	51548
Components:	<b>KN202833G1</b> , SIRT6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN202833G2</b> , SIRT6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN202833BND</b> , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	<a href="#">NM_001193285</a> , <a href="#">NM_001321058</a> , <a href="#">NM_001321059</a> , <a href="#">NM_001321060</a> , <a href="#">NM_001321061</a> , <a href="#">NM_001321062</a> , <a href="#">NM_001321063</a> , <a href="#">NM_001321064</a> , <a href="#">NM_016539</a>
UniProt ID:	<a href="#">Q8N6T7</a>
Synonyms:	SIR2L6
Summary:	This gene encodes a member of the sirtuin family of NAD-dependent enzymes that are implicated in cellular stress resistance, genomic stability, aging and energy homeostasis. The encoded protein is localized to the nucleus, exhibits ADP-ribosyl transferase and histone deacetylase activities, and plays a role in DNA repair, maintenance of telomeric chromatin, inflammation, lipid and glucose metabolism. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]



[View online »](#)

Product images:

