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Product datasheet for KN202833LP

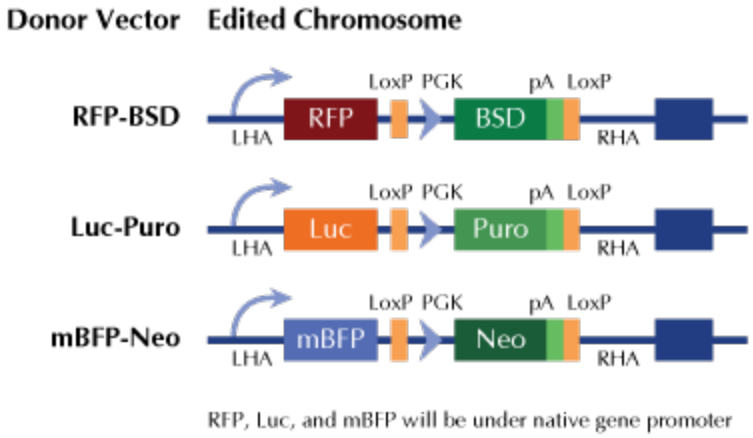
SIRT6 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	SIRT6
Locus ID:	51548
Components:	**KN202833G1**, SIRT6 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN202833G2**, SIRT6 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN202833LPD**, donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. **GE100003**, 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:	NM_001193285, NM_001321058, NM_001321059, NM_001321060, NM_001321061, NM_001321062, NM_001321063, NM_001321064, NM_016539
UniProt ID:	Q8N6T7
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:



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