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Product datasheet for KN200190BN

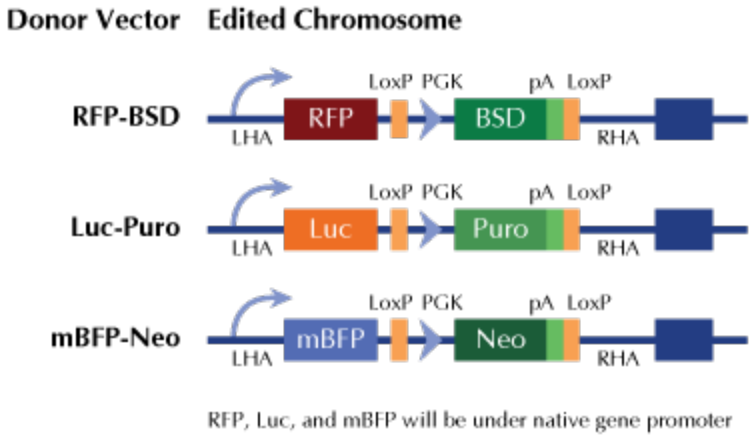
SIRT3 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	SIRT3
Locus ID:	23410
Components:	**KN200190G1**, SIRT3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **KN200190G2**, SIRT3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) **KN200190BND**, donor DNA containing left and right homologous arms and mBFP-Neo 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_001017524, NM_012239, NM_001370312, NM_001370314, NM_001370316, NM_001370318, NM_001370319, NM_001370325, NR_163386, NR_163388, NR_163389, NR_163390, NR_163391, NR_163393, NR_163394, NR_163398, NR_163399, NR_163400, NR_163401, NM_001370310, NM_001370315, NM_001370317, NM_001370320, NM_001370321, NM_001370322, NM_001370323, NM_001370324, NR_163387, NR_163392, NR_163395, NR_163396, NR_163397, NR_163402
UniProt ID:	Q9NTG7
Synonyms:	SIR2L3
Summary:	SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control. [provided by RefSeq, May 2019]

View online »

Product images:



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