

## Product datasheet for **KN216186RB**

### Parkin (PARK2) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control
Donor DNA:	RFP-BSD
Symbol:	Parkin
Locus ID:	5071
Components:	<b>KN216186G1</b> , Parkin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN216186G2</b> , Parkin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN216186RBD</b> , donor DNA containing left and right homologous arms and RFP-BSD 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_004562</a> , <a href="#">NM_013987</a> , <a href="#">NM_013988</a>
UniProt ID:	<a href="#">O60260</a>
Synonyms:	AR-JP; LPRS2; PDJ; PRKN
Summary:	The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transcript variants encoding distinct isoforms. Additional splice variants of this gene have been described but currently lack transcript support. [provided by RefSeq, Jul 2008]



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Product images:

