

## Product datasheet for **KN216373LP**

### LRRK2 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:	LRRK2
Locus ID:	120892
Components:	<b>KN216373G1</b> , LRRK2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN216373G2</b> , LRRK2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN216373LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro 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:** [NM\\_198578](#)

**UniProt ID:** [Q5S007](#)

**Synonyms:** AURA17; DARDARIN; PARK8; RIPK7; ROCO2

**Summary:** This gene is a member of the leucine-rich repeat kinase family and encodes a protein with an ankyrin repeat region, a leucine-rich repeat (LRR) domain, a kinase domain, a DFG-like motif, a RAS domain, a GTPase domain, a MLK-like domain, and a WD40 domain. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Mutations in this gene have been associated with Parkinson disease-8. [provided by RefSeq, Jul 2008]



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## Product images:

