

## Product datasheet for **KN201645LP**

### **PARK7 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:       | PARK7  |
| Locus ID:     | 11315  |
| Components:   | <b>KN201645G1</b> , PARK7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)<br><b>KN201645G2</b> , PARK7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)<br><b>KN201645LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette.<br><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_001123377</a> , <a href="#">NM_007262</a>   |
| UniProt ID:   | <a href="#">Q99497</a>   |
| Synonyms:     | DJ-1; DJ1; HEL-S-67p   |
| Summary:      | The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008] |



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## Product images:

