

# Product datasheet for KN202885LP

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### LKB1 (STK11) 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: LKB1 Locus ID: 6794

**Components:** KN202885G1, LKB1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN202885G2, LKB1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202885LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

**RefSeq:** <u>NM 000455</u>

UniProt ID: Q15831

**Synonyms:** hLKB1; LKB1; PJS

**Summary:** This gene, which encodes a member of the serine/threonine kinase family, regulates cell

polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have

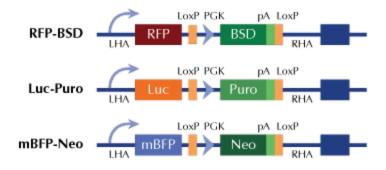
not been thoroughly characterized. [provided by RefSeq, Jul 2008]





# **Product images:**

#### Donor Vector Edited Chromosome



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