

Product datasheet for KN201229LP

OriGene Technologies, Inc.

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Prohibitin (PHB) 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: Prohibitin

Locus ID: 5245

Components: KN201229G1, Prohibitin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN201229G2, Prohibitin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN201229LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: <u>NM 001281496, NM 001281497, NM 001281715, NM 002634</u>

UniProt ID: P35232

Synonyms: HEL-215; HEL-S-54e; PHB1

Summary: This gene is evolutionarily conserved, and its product is proposed to play a role in human

cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA.

Several pseudogenes of this gene have been identified. Alternative splicing results in multiple

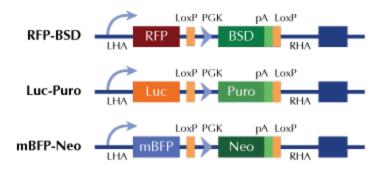
transcript variants. [provided by RefSeq, Jul 2013]





Product images:

Donor Vector Edited Chromosome



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