

Product datasheet for KN214393LP

OriGene Technologies, Inc.

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YAP1 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: YAP1 Locus ID: 10413

Components: KN214393G1, YAP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN214393G2, YAP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN214393LPD, 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: NM 001130145, NM 001195044, NM 001195045, NM 001282097, NM 001282098,

NM 001282099, NM 001282100, NM 001282101, NM 006106

UniProt ID: P46937

Synonyms: COB1; YAP; YAP2; YAP65; YKI

Summary: This gene encodes a downstream nuclear effector of the Hippo signaling pathway which is

involved in development, growth, repair, and homeostasis. This gene is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by

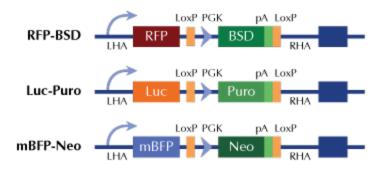
RefSeq, Aug 2013]





Product images:

Donor Vector Edited Chromosome



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