

Product datasheet for **KN214393**

YAP1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	YAP1
Locus ID:	10413
Components:	KN214393G1 , YAP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGGGCCCCGCCGTCCGGACC KN214393G2 , YAP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTGCGAAGGCGGCTGCCCT KN214393D , donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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TGGCAACAAC GTTGCACAAA CTATTAAGCT GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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AACACTGCGG CCAACTTACT TCTGACAACG ATCGGAGGAC CGAAGGAGCT AACCGCTTTT TTGCACAACA
TGGGGGATCA TGTAACCTCGC CTT

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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:

