

Product datasheet for KN211629LP

OriGene Technologies, Inc.

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APC 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: APC Locus ID: 324

Components: KN211629G1, APC gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN211629G2, APC gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN211629LPD, 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 000038, NM 001127510, NM 001127511, NM 001354895, NM 001354896,

NM 001354897, NM 001354898, NM 001354899, NM 001354900, NM 001354901, NM 001354902, NM 001354903, NM 001354904, NM 001354905, NM 001354906

UniProt ID: P25054

Synonyms: BTPS2; DP2; DP2.5; DP3; GS; PPP1R46

Summary: This gene encodes a tumor suppressor protein that acts as an antagonist of the Wnt

signaling pathway. It is also involved in other processes including cell migration and adhesion, transcriptional activation, and apoptosis. Defects in this gene cause familial adenomatous polyposis (FAP), an autosomal dominant pre-malignant disease that usually progresses to malignancy. Mutations in the APC gene have been found to occur in most colorectal cancers. Disease-associated mutations tend to be clustered in a small region designated the mutation cluster region (MCR) and result in a truncated protein product. [provided by RefSeq, Dec

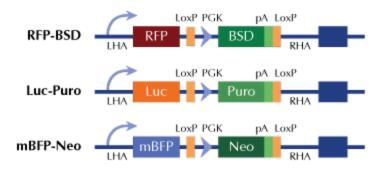
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Product images:

Donor Vector Edited Chromosome



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