

Product datasheet for KN214047RB

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PIK3CD Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: RFP-BSD Symbol: PIK3CD Locus ID: 5293

Components: KN214047G1, PIK3CD gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN214047G2, PIK3CD gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN214047RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 005026, NM 001350234, NM 001350235</u>

UniProt ID: <u>000329</u>

Synonyms: APDS; IMD14; p110D; P110DELTA; PI3K

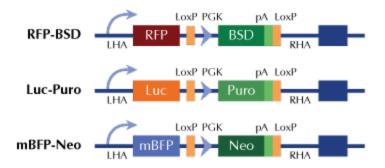
Summary: Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the

immune response. The protein encoded by this gene is a class I PI3K found primarily in leukocytes. Like other class I PI3Ks (p110-alpha p110-beta, and p110-gamma), the encoded protein binds p85 adapter proteins and GTP-bound RAS. However, unlike the other class I PI3Ks, this protein phosphorylates itself, not p85 protein.[provided by RefSeq, Jul 2010]



Product images:

Donor Vector Edited Chromosome



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