

Product datasheet for KN221217RB

DKK4 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: DKK4 Symbol: Locus ID: 27121

KN221217G1, DKK4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN221217G2, DKK4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN221217RBD, 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: NM 014420 **UniProt ID:** Q9UBT3 Synonyms: DKK-4

Summary: This gene encodes a protein that is a member of the dickkopf family. The secreted protein

> contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. Activity of this protein is modulated by binding

to the Wnt co-receptor and the co-factor kremen 2. [provided by RefSeq, Jul 2008]



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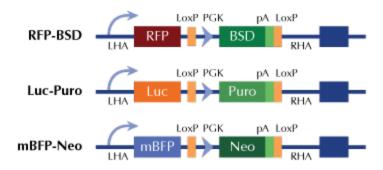
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Product images:

Donor Vector Edited Chromosome



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