

Product datasheet for KN205327BN

DGKZ Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Symbol: DGKZ Locus ID: 8525

Components: KN205327G1, DGKZ gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN205327G2, DGKZ gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN205327BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 001105540, NM 001199266, NM 001199267, NM 001199268, NM 003646, NM 201532,

NM 201533

UniProt ID: Q13574

Synonyms: DAGK5; DAGK6; DGK-ZETA; hDGKzeta

Summary: The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It

may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified. [provided by

RefSeq, Nov 2010]



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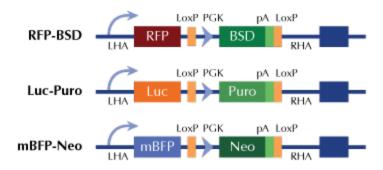
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Product images:

Donor Vector Edited Chromosome



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